



*The Soybean Checkoff ...
Progress Powered by Kansas Farmers*

Date: August 17, 2020

To: Kansas universities, organizations, educational entities, and others interested in submitting proposals for Kansas Soybean Commission funding

From: Adam O'Trimble, Director of Operations

Re: Proposals to the Kansas Soybean Commission for Fiscal Years 2021 and 2022

Please bring this request for proposals to the attention of others who would be interested in submitting proposals for funding for FY 2021-2022.

The deadline for submitting proposals to the Kansas Soybean Commission office is October 12, 2020. The preferred method of submission is by e-mail to otrimble@kansassoybeans.org with the proposal attached as a Microsoft Word or PDF document.

They may also be submitted on a USB flash drive as a Microsoft Word or PDF document to:

Adam O'Trimble
Director of Operations
Kansas Soybean Commission
1000 SW Red Oaks Place
Topeka, KS 66615-1207

Please follow the attached proposal instructions. Note that the length of proposals is limited to five pages plus the cover page. **If your proposal is preliminarily approved by the Kansas Soybean Commission, you will be asked to make a formal presentation to the Commissioners in person in Topeka, Kansas, or by video or audio conferencing on December 3 or 4, 2020.**

Attachments

**Kansas Soybean Commission
Request for Proposals
Fiscal Years 2021 and 2022**

The Kansas Soybean Commission is soliciting research and education proposals for FY 2021-2022. Proposals are due to the Commission by the close of business on Monday, October 12, 2020. An individual may be listed as a principal investigator on only one proposal. Do not include funding for Commissioner travel in your budget. **Please note that items listed in bold are of particular importance and interest to the Commission, and proposals addressing bolded topics are more likely to receive funding.** Proposals will be accepted in the following areas:

1. Breeding/Production/Environmental Programs

Proposals should address cropping systems for the Kansas soybean industry for the year 2021 and beyond and should focus on the most economical/efficient cropping systems with minimal impact on the environment. Proposals should preferably include principal investigators from at least two disciplines and must include an economic impact analysis. Proposals should address any of the following topics:

A. Best Management Practices (BMPs) for soybean production in Kansas to minimize the impact of nutrient elements and pesticides on the environment; compare new BMPs to current ones with verification of the on-site benefits to water quality (including monitoring run-off samples for specific nutrients/pesticides); preferences will be given to multidisciplinary research/extension team projects.

B. Crop protection/pest management; replacement of existing controls/seed treatments.

C. Develop uniform, repeatable, high-throughput, laboratory, greenhouse and/or field methods to screen commercial soybean varieties for resistance against all diseases and pests. The intent of the research would be to develop accurate unified methods that can be used by private companies and public breeding programs to accurately screen soybean varieties.

Suggested/Prioritized proposals include, but are not limited to: Sudden Death Syndrome (SDS), spider mites, drought resistance, higher yielding high-oleic beans, stink bugs, stem borer, Japanese beetles, technology transfer/diffusion of innovation, gypsum, charcoal rot, sulfur, area spraying of fungicide and insecticide, using drones for crop spraying, analysis of seed treatment additives, planting dates for the different regions of the state, herbicide-resistant weeds including the effects of herbicide drift/volatilization, protein testing of research test plots.

Suggested participants include, but are not limited to: Departments of Economics, Agricultural Engineering, Agronomy, Animal Sciences and Industry, Entomology, and Plant Pathology; Branch Experiment Stations; Research-Extension Centers; Area Extension Offices; and cooperative interstate research centers. Cooperation with other institutions inside and outside of Kansas is encouraged. **Researchers are encouraged to include (under)graduate students on the research team.**

2. Livestock, aquaculture, and pet nutrition.

Proposals should address livestock and aquaculture nutritional needs that will increase the utilization of soybeans in the United States/Kansas. The proposals should preferably include principal investigators from at least two disciplines and must focus on one of the following topics:

A. New and innovative uses of soybeans as vital components in livestock, aquaculture, and pet nutrition.

Suggested/Prioritized proposals should include: cooperative work with other livestock (beef, pork, poultry, small animal, etc.), aquaculture, and pet organizations; research into Kansas aquaculture; research into high-protein concentrate.

3. Human Nutrition/Food Safety Studies

Proposals should address human nutritional needs that will increase the utilization of soybeans in the United States/Kansas. The proposals should preferably include principal investigators from at least two disciplines and must focus on one of the following topics:

A. Methods for detection/quantification/elimination of anti-nutritional and allergenic components.

B. Scientific response to crop and food safety concerns **and ways to improve the consumer's perception of soybeans and soybean products.**

C. New and innovative uses of soybeans as vital components in human nutrition.

Suggested participants include, but are not limited to: Departments of Agricultural Economics, Agricultural Engineering, Animal Sciences and Industry, Grain Science and Industry, and Foods and Nutrition; Branch Experiment Stations; and Research Extension Centers. **Researchers are encouraged to include (under)graduate students on the research team.**

4. Value-Added Projects

The proposal program should be commercially significant and have the potential to utilize large quantities of soybeans. Developing and commercializing competitive industrial uses for soybeans includes two key aspects: **commercialization and competitiveness**. If they are not competitive, they cannot be commercialized. If they are not commercialized and sell additional soybeans, we cannot meet our goals of improving profitability for Kansas soybean farmers. The proposal should preferably include principal investigators from at least two disciplines **plus private entity cooperation**. The research should build on the strengths at an institution and must address at least one of the following topics:

- A. Opportunities for identity preserved grain marketing/processing technology; transportation and infrastructure needs; on farm storage practicality; incentive discovery.
- B. Identify additional value-added uses of the chemicals/components of the soybean plant.
- C. **Alternative uses of soybeans and related by-products.**

Suggested/Prioritized proposals include, but are not limited to: alternative fuels, soy-biodiesel in electrical generation, bio-based materials, commercialization of technologies in the materials industry, adhesives in the auto industry, soy-based plastics, binders in pressed-wood products, weather-proofing products, and dust suppressants.

Suggested participants include, but are not limited to: Departments of Agricultural Economics, Agricultural Engineering, Foods and Nutrition, Grain Science and Industry, Chemistry, and Fuel Engineering; and the Kansas Department of Agriculture.

Researchers are encouraged to include (under)graduate students on the research team.

5. Marketing Extension Program and Transportation

The proposed program should include extensive educational training of soybean pricing, crop disappearance/market share, crop insurance options, yield protection, farm program considerations, and options in marketing available to Kansas soybean producers. Programming should be conducted in conjunction with private sector industry representatives to further explore opportunities in the marketplace for pricing and/or value-added options.

- A. Research and education programs to provide producers a means of developing comprehensive, farm-level risk management programs.

B. Research and education programs to estimate the value of grain characteristics and determine the effect of changes in supply and demand on grain markets.

C. International market development with focus on utilizing Kansas soybeans.

Suggested participants include, but are not limited to: Extension Agronomy, Ag Communications and Journalism, Ag Economics, Ag Education, Rural Sociology, Grain Science and Industry. Researchers are encouraged to include (under)graduate students on the research team.

For more information contact:

Adam O'Trimble

Director of Operations

Kansas Soybean Commission

1000 SW Red Oaks Place

Topeka, KS 66615-1207

Phone: (785) 271-1040

otrimble@kansassoybeans.org

**Kansas Soybean Commission
1000 SW Red Oaks Place
Topeka, Kansas 66615**

Proposal Instructions

The following instructions are provided to aid in the preparation of project proposals. Failure to follow these instructions may remove your proposal from further consideration.

1. Estimated Period of Performance

We anticipate that the agreement for this proposed project would begin on July 1, 2020, and end on June 30, 2021, with three quarterly interim reports required and, unless otherwise stipulated, a final report due no later than August 15, 2021. If this agreement period is not the most suitable for completing the project, we ask that the proposal recommend a different agreement period. Some research projects requiring field data may have an agreement that begins March 1, 2020.

2. Technical Questions

All questions pertaining to this solicitation shall be directed to:

Adam O'Trimble
Director of Operations
Phone: (785) 271-1040
otrimble@kansassoybeans.org

3. Submission of Proposals

The deadline for submitting proposals to the Kansas Soybean Commission office is close of business on Tuesday, October 15, 2019. Please submit all proposals in electronic form to:

otrimble@kansassoybeans.org

or

Adam O'Trimble
Director of Operations
Kansas Soybean Commission
1000 SW Red Oaks Place
Topeka, KS 66615-1207

4. Proposal Format

Proposals should be no longer than 5 pages plus the cover page. Proposals should be written in lay language, and they should contain the following information:

- a. Cover page: Follow the format for the cover page.

b. Title: The major thrust of the project. Highly technical words or phraseology should be avoided; do not use scientific jargon; use common names for all organisms. No more than 15 words for the title.

c. Principal investigator(s), department, telephone number, and e-mail address. An individual may be listed as the first principal investigator on only one proposal but may be listed as a secondary principal investigator on more than one proposal.

d. Objectives: A clear and complete one-sentence statement for each specific numbered objective of the project arranged in logical sequence.

e. Procedure: a description of the investigations and/or experiments proposed; techniques to be used in carrying out the proposed project; methods by which experimental data will be analyzed, or interpreted; procedure of applying results or accomplishing technology transfer.

f. Justification: Importance of the issue to the benefit of Kansas's soybean farmers.

g. Objective: In addition to explaining the proposal's objective, if possible, indicate the specific Kansas Soybean Commission priority being addressed by number and letter.

h. Project location(s): Location(s) for field research and test laboratories.

i. Duration of the project (number of years): If this is a multi-year project, which year does this proposal represent? Projects will be approved for only one year at a time. What are the exact start and end dates?

j. Budget: Itemize the budget splitting out labor, travel, and other costs. **The Kansas Soybean Commission does not normally fund equipment purchases, institutional overhead, nor principal investigator salary. Universities may pay (under)graduate assistants to assist with the work, but the Kansas Soybean Commission will not pay a student's tuition. If your project contains travel opportunities for Kansas Soybean Commissioners or staff, do not include those costs in your budget because the Kansas Soybean Commission will pay those directly.**

k. Facilities and equipment: Are they adequate to complete the project? Describe.

l. Cooperators: List all private and public cooperators and their role in and relationship to the proposal.

m. Related information: A summary of the most significant work related to the project should be described. Provide a brief review of how the proposed project will supplement previous work. **For continuing projects, including a summary of accomplishments to date is necessary.**

n. Expected outcome: Provide a brief description of the expected outcomes of the proposed research or education program. The expected outcomes may be the generation of new information as reflected in tangible products such as new varieties, development and/or acceptance of new methodologies, research and Extension publications, patents, software, and others. Where feasible, identify the measurable economic, social, and environmental benefits expected to result from the project. Examples of such benefits include cost savings, enhanced economic and employment impacts, improved health and nutrition, human or community development, more efficient natural resource utilization, and minimizing the impact of agriculture on the environment. Identify, where appropriate, the potential recipients of the benefits such as producers, consumers, taxpayers, and communities. Describe how the results of the research will be communicated to potential users. If outcomes are not expected during the life of the project, please develop a schedule.

5. Project proposals will be reviewed by the Commission and/or independent panels using the following criteria:

a. Significance of the proposed project to the priorities of the Kansas Soybean Commission.

b. Likelihood the project will improve the profitability of soybean farmers and meet the expected outcomes of the project.

c. Relationship of proposed research to ongoing and past research and whether it is complementary or unique to ongoing and past research.

d. Interdisciplinary expertise/talents.

e. Facilities and equipment available.

f. Private and public entity cooperation including multi-state interaction and cooperation.

g. Duration of project.

6. Funds not used shall be returned to the Kansas Soybean Commission.

Cover Page

Title: (no more than 15 words)	
Proposal to:	Kansas Soybean Commission 1000 SW Red Oaks Place Topeka, KS 66615
From:	Kansas State University 2 Fairchild Hall, 1601 Vattier Street Manhattan, KS 66506-1103
Funding Period:	
Amount Requested:	
Project Status:	New _____ Continuing _____ If Continuing, Year ___ of _____ total years
Principal Investigators and Units:	

By signature below, I certify that the investigator(s), department head(s), and appropriate Dean(s)/Director(s) associated with this proposal have indicated their agreement with the content, procedures, commitments, and obligations included in this submission. This submission is thus institutionally authorized.

Paul R. Lowe, CRA
Associate Vice President for Research
Kansas State University

**FY2022 Kansas Soybean Commission Education Program Project Funding
Application Line-Item Budget**

Name of Project: _____

Name of Organization: _____

Description	Budget Detail	Total Budget
Contractual Services		\$
<i>List hours and rates for each position working on the project.</i>		
hours @ \$ /hour for Vice President/Partner	\$	
hours @ \$ /hour for Supervisor	\$	
hours @ \$ /hour for Manager	\$	
hours @ \$ /hour for Coordinator	\$	
hours @ \$ /hour for Assistant	\$	
hours @ \$ /hour for Secretarial/Clerical	\$	
Market Studies		\$
studies necessary to complete project	\$	
	\$	
Meetings and Conferences		\$
cost of meeting room and meals	\$	
seminars @ \$ each	\$	
	\$	
Travel		\$
trips @ \$ each including lodging, transportation, meals	\$	
	\$	
Printing		\$
@ \$ each	\$	
@ \$ each	\$	
	\$	
Postage		\$
mailings of pieces @ \$ per piece	\$	
	\$	
Other Operating Expenses		\$
delivery charges, subscriptions, project supplies, etc.	\$	
	\$	
Equipment Rental		\$
projector, media player, etc.	\$	
	\$	

TOTAL PROJECT: _____ \$

**Kansas Soybean Commission
Proposal Budget Form
FY2022**

Proposed Budget Summary Attach supplemental detail for items of \$5,000 or more. Estimate institutional investment for review purposes.	Year 1	Year 2 (KSC normally does not fund projects for more than 1 year at a time)	Totals
A. Salaries and Wages: Total* (show hours x rates) Principal Investigator(s) Senior Associate(s) Research Associate(s)/Post Doctorate Other Professional(s) Graduate Student(s) Undergraduate Student(s) Secretarial/Clerical Technical, Shop, Other	0	0	0
B. Fringe Benefits (show university rate formula)			
C. Materials Testing and Services			
D. Expendable Materials and Supplies			
E. Travel			
F. Subcontracts (attach a separate page for each)			
G. All Other Direct Costs (attach support data)			
H. Capital Equipment KSC preferably does not pay this cost.	0	0	0
I. Total Amount of This Request			

*KSC will allow wages to be paid to (under)graduate students but will not pay for a student's tuition.