

**Kansas Soybean Commission
Request for Proposals
Fiscal Year 2012-2013**

The Kansas Soybean Commission is soliciting research and education proposals for FY 2012-2013. Proposals are due to the Commission by the close of business on Friday, October 21, 2011. An individual may be listed as a principal investigator on only one proposal. **Please note that items listed in bold are of significant importance and proposals identifying 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 2013 and beyond, and should focus on the most economical/efficient cropping systems with minimal impact on the environment. Pre-proposals must include principal investigators from at least two disciplines, including 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 (this includes 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. 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 participants include, but are not limited to: Departments of Economics, Agricultural Engineering, Agronomy, Animal Sciences and Industry, Entomology, Plant Pathology, Branch Experiment Stations, Research-Extension Centers, and Area Extension Offices; and/ or cooperative interstate research centers. Cooperation with other institutions inside and outside of Kansas is encouraged.

2. Human Nutrition Studies/ Food Safety

Proposals should address human nutrition needs that will increase the utilization of soybeans in the U.S./Kansas. Livestock nutritional topics will be considered, if appropriate. The proposals must 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.
- 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, Foods and Nutrition, and/or Branch Experiment Stations/Research Extension Centers.

3. 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 terms: **commercialization** and **competitive**. 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 must 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 participants include, but are not limited to: Departments of Agricultural Economics, Agricultural Engineering, Foods and Nutrition, Grain Science and Industry, and the Kansas Department of Agriculture.

4. 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 to 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 a focus on utilizing Kansas soybeans.**

For more information contact:

Kenlon Johannes, Administrator
Kansas Soybean Commission
1000 SW Red Oaks Place
Topeka, KS 66615-1241
Phone: 785-271-1040
Fax: 785-271-1302
johannes@kansassoybeans.org