



National Institute of Food and Agriculture
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Foundational Knowledge of Agricultural Production Systems (Program Code: A1102)





Program started in 2016

- This is a program that was designed to fill a major gap in our portfolio
- 2018 will be the 3rd year if the program is offered
- Relatively unknown by the community
- Low submission rate
- High success rate
- The 2017 RFA is a good starting point to learn about details of the program.



Types of Grants Appropriate for A1102

- Standard Research Grants
- Conference Grants
- Food and Agricultural Science Enhancement (FASE) Grants
 - Seed grants
 - Sabbatical grants
 - Equipment grants



Program Area Priorities for 2017 RFA

- Research advancing our understanding of cropland, managed forest, and rangeland production systems.
- Research addressing critical or process-limiting dynamics that occur among and within the various management components of the production system.
- Research leading to the development of innovative solutions to problems limiting or threatening the productivity, efficiency, and sustainability of the selected production system.



Proposals must address one or more of following priorities

- Investigate how **multiple management components** of ag. production systems can be integrated to enhance **plant resilience** to various stressors and improve product quality and/or productivity.
- Investigate how production systems can alter the **plant microbiome** and determine how the alterations affect **plant resilience** to various stressors and/or affect product quality and/or productivity.
- Investigate how changes in **production system management or biodiversity** affect **soil health**.
- Conduct a synthesis and **meta-analysis** of the existing data to derive **general principles** about the **function and properties** of agricultural production systems.



Questions? Please call...

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