USDA NIFA Small Business Innovation Research and Small Business Technology Transfer Programs, Phase I (Request for Applications USDA-NIFA-SBIR-010774, FY2025) - application draft

Prepared with CapEasy Grant Studio. AI-drafted first draft - review, edit and submit it yourself on the programme's official site. CapEasy is not affiliated with any government agency.

Sample startup (fictional): Northwind Ag Sensors

Follow-up questions

Program to which you are applying (NIFA Supplemental Information Form, Field 2) - what should the application say here?
Not answered

Program Type - what should the application say here?
Not answered

Duration Exceeds Normal Project Period - what should the application say here?
Not answered

Response to Previous Review for Resubmissions - what should the application say here?
Not answered

Responsiveness to USDA SBIR/STTR Program Priorities (limit: Project Narrative: 17 pages maximum for items b to i (1.5 spacing, 1-inch margins, 12-point Times New Roman; tables and figures 11-point)) - what should the application say here?
Not answered

Relationship with Research or Research and Development (limit: Project Narrative: 17 pages maximum for items b to i (1.5 spacing, 1-inch margins, 12-point Times New Roman; tables and figures 11-point)) - what should the application say here?
Not answered

Technical Objectives (limit: Project Narrative: 17 pages maximum for items b to i (1.5 spacing, 1-inch margins, 12-point Times New Roman; tables and figures 11-point)) - what should the application say here?
Not answered

Work Plan (limit: Project Narrative: 17 pages maximum for items b to i (1.5 spacing, 1-inch margins, 12-point Times New Roman; tables and figures 11-point)) - what should the application say here?
Not answered

SF-424 R&R and NIFA forms: program and type

Program to which you are applying (NIFA Supplemental Information Form, Field 2)
[Your input needed: choose one - 8.1 Forests and Related Resources | 8.2 Plant Production and Protection (Biology) | 8.3 Animal Production and Protection | 8.4 Conservation of Natural Resources | 8.5 Food Science and Nutrition | 8.6 Rural and Community Development | 8.7 Aquaculture | 8.8 Biofuels and Biobased Products | 8.12 Small and Mid-size Farms | 8.13 Plant Production and Protection (Engineering)]

Program Type
[Your input needed: choose one - SBIR | STTR | Both (SBIR and STTR)]

SBC Control ID

[Your input needed: SBC Control ID]

Duration Exceeds Normal Project Period
[Your input needed: Duration Exceeds Normal Project Period]

R&R Other Project Information, Field 7: Project Summary

Project Summary (PS)/Abstract (R&R Other Project Information, Field 7) (250 words, 12-point Times New Roman, NIFA Project Summary Template, attached as PDF; applications over 250 words are not reviewed)
A buried soil-moisture probe and phone dashboard that tell irrigators which fields to water.

R&R Other Project Information, Field 8: Project Narrative (17 pages)

Response to Previous Review for Resubmissions (1 page, not counted in the 17 pages)
[Your input needed: Response to Previous Review for Resubmissions]

Responsiveness to USDA SBIR/STTR Program Priorities (Project Narrative: 17 pages maximum for items b to i (1.5 spacing, 1-inch margins, 12-point Times New Roman; tables and figures 11-point))
[Your input needed: Responsiveness to USDA SBIR/STTR Program Priorities]

Identification and Significance of the Problem or Opportunity (Project Narrative: 17 pages maximum for items b to i (1.5 spacing, 1-inch margins, 12-point Times New Roman; tables and figures 11-point))
Many Kansas row-crop growers schedule center-pivot irrigation by habit or calendar, which over-waters some fields, stresses others, and burns pumping energy in a region drawing down the Ogallala aquifer.

Background and Rationale (Project Narrative: 17 pages maximum for items b to i (1.5 spacing, 1-inch margins, 12-point Times New Roman; tables and figures 11-point))
One growing season of field data from two cooperating farms; no paying customers yet.

Relationship with Research or Research and Development (Project Narrative: 17 pages maximum for items b to i (1.5 spacing, 1-inch margins, 12-point Times New Roman; tables and figures 11-point))
[Your input needed: Relationship with Research or Research and Development]

Technical Objectives (Project Narrative: 17 pages maximum for items b to i (1.5 spacing, 1-inch margins, 12-point Times New Roman; tables and figures 11-point))
[Your input needed: Technical Objectives]

Work Plan (Project Narrative: 17 pages maximum for items b to i (1.5 spacing, 1-inch margins, 12-point Times New Roman; tables and figures 11-point))
[Your input needed: Work Plan]

Related Research or Research and Development (Project Narrative: 17 pages maximum for items b to i (1.5 spacing, 1-inch margins, 12-point Times New Roman; tables and figures 11-point))
[Your input needed: Related Research or Research and Development]

The Market Opportunity (Project Narrative: 17 pages maximum for items b to i (1.5 spacing, 1-inch margins, 12-point Times New Roman; tables and figures 11-point))
[Your input needed: The Market Opportunity]

R&R Other Project Information, Fields 9 to 12: references, facilities, equipment and other attachments

Bibliography & Cited References (Field 9)
[Your input needed: attach Bibliography & Cited References (Field 9)]

Facilities & Other Resources (Field 10)
[Your input needed: Facilities & Other Resources (Field 10)]

Equipment Documentation (Field 11)
[Your input needed: Equipment Documentation (Field 11)]

Use of Facilities or Equipment
[Your input needed: attach Use of Facilities or Equipment]

Outside Services
[Your input needed: Outside Services]

Letters of Support
[Your input needed: attach Letters of Support]

Applicant is a Subsidiary
[Your input needed: attach Applicant is a Subsidiary]

Statement as to Delinquency on Federal Debts by Applicants for Federal Assistance
[Your input needed: attach Statement as to Delinquency on Federal Debts by Applicants for Federal Assistance]

Non-Domestic Travel and Performance Explanation
[Your input needed: Non-Domestic Travel and Performance Explanation]

Key people, SBIR/STTR information and budget

R&R Senior/Key Person Profile (Expanded): biographical sketch and Current and Pending support for the PD/PI
[Your input needed: attach R&R Senior/Key Person Profile (Expanded): biographical sketch and Current and Pending support for the PD/PI]

Conflict of Interest List (NIFA Supplemental Information Form, Field 8)
[Your input needed: attach Conflict of Interest List (NIFA Supplemental Information Form, Field 8)]

Question 9. Documentation of Prior SBIR/STTR Phase II Awards
[Your input needed: attach Question 9. Documentation of Prior SBIR/STTR Phase II Awards]

Disclosure of Foreign Affiliations or Relationships to Foreign Countries
[Your input needed: attach Disclosure of Foreign Affiliations or Relationships to Foreign Countries]

R&R Budget and Budget Justification (Section L)
[Your input needed: fill the R&R Budget and Budget Justification (Section L) table (Budget category, Amount (USD), Justification)]

Request for use of Technical and Business Assistance (TABA)
[Your input needed: choose one - Use the USDA vendor (Larta Institute) at no cost to the business | Use my own TABA provider (up to $6,500 as Other Direct Costs, with a detailed justification and a signed provider letter of commitment)]

Documents

Still needed: SF-424 R&R cover sheet and project/performance site forms (Grants.gov package)
Still needed: Project Narrative PDF, 17 pages maximum
Still needed: Project Summary PDF on NIFA's template, 250 words
Still needed: Bibliography & Cited References PDF
Still needed: Biographical sketch and Current and Pending support for the PD/PI and any Co-PD/PI
Still needed: Conflict of Interest List for all senior and key persons (single PDF)
Still needed: R&R Budget form(s) and Budget Justification PDF
Still needed: Letters of support (or a 2-page justification for having none)
Still needed: Letters from consultants, subcontractors or CRADA cooperators and from owners of facilities used

Still needed: Disclosure of Foreign Affiliations or Relationships to Foreign Countries form

Still needed: Prior SBIR/STTR Phase II documentation (benchmark statements), SBIR or Both applications

Still needed: SBA Company Registry registration and SBC Control ID

Still needed: Active SAM.gov registration with UEI and a Grants.gov account

Still needed: Negotiated indirect cost rate agreement, if claiming one

Still needed from you

[Your input needed: choose one - 8.1 Forests and Related Resources | 8.2 Plant Production and Protection (Biology) | 8.3 Animal Production and Protection | 8.4 Conservation of Natural Resources | 8.5 Food Science and Nutrition | 8.6 Rural and Community Development | 8.7 Aquaculture | 8.8 Biofuels and Biobased Products | 8.12 Small and Mid-size Farms | 8.13 Plant Production and Protection (Engineering)]

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[Your input needed: attach Bibliography & Cited References (Field 9)]

[Your input needed: Facilities & Other Resources (Field 10)]

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[Your input needed: fill the R&R Budget and Budget Justification (Section L) table (Budget category, Amount (USD), Justification)]

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