

Appropriations Project Request - Fiscal Year 2020-21

For projects meeting the Definition of House Rule 5.14

1. Title of Project: UF/IFAS Algal Bloom Research & Mitigation
2. Date of Submission: 11/14/2019
3. House Member Sponsor: Dane Eagle
Members Copied:

4. DETAILS OF AMOUNT REQUESTED:

- a. Has funding been provided in a previous state budget for this activity? No
If answer to 4a is "No" skip 4b and 4c and proceed to 4d, Col. E
- b. What is the most recent fiscal year the project was funded?
- c. Were the funds provided in the most recent fiscal year subsequently vetoed?
- d. Complete the following Project Request Worksheet to develop your request:

FY:	Input Prior Year Appropriation for this project for FY 2019-20 <i>(If appropriated in 2019-20 enter the appropriated amount, even if vetoed.)</i>			Develop New Funds Request for FY 2020-21 <i>(Requests for additional RECURRING funds are prohibited.)</i>		
Column:	A	B	C	D	E	F
Funds Description:	Prior Year Recurring Funds	Prior Year Nonrecurring Funds	Total Funds Appropriated <i>(Recurring plus Nonrecurring: column A + column B)</i>	Recurring Base Budget <i>(Will equal non-vetoed amounts provided in Column A)</i>	Additional Nonrecurring Request	TOTAL Nonrecurring plus Recurring Base Funds <i>(Will equal the amount from the Recurring base in Column D plus the Additional Nonrecurring Request in Column E.)</i>
Input Amounts:					1,754,000	1,754,000

5. Are funds for this issue requested in a state agency's Legislative Budget Request submitted for FY 2020-21? No
 - 5a. If yes, which state agency?
 - 5b. If no, which is the most appropriate state agency to place an appropriation for the issue being requested? Department of Education
 - 5c. Has the appropriate state agency for administering the funding, if the request were appropriated, been contacted? Yes
 - 5d. Describe penalties for failing to meet deliverables or performance measures which the agency should provide in its contract to administer the funding if appropriated.
N/A

6. Requester:

- a. Name: Jack Payne
- b. Organization: University of Florida Institute of Food and Agricultural Services (UF/IFAS)
- c. Email: jackpayne@ufl.edu
- d. Phone #: (352)392-1971

7. Contact for questions about specific technical or financial details about the project:

- a. Name: Sherry Larkin
- b. Organization: University of Florida Institute of Food and Agricultural Sciences (UF/IFAS)
- c. Email: slarkin@ufl.edu
- d. Phone #: (352)392-1784

8. Is there a registered lobbyist working to secure funding for this project?

- a. Name: Mary Ann Hooks
- b. Firm: UF/IFAS
- c. Email: mgosa@ufl.edu
- d. Phone #: (850)322-7259

9. Organization or Name of entity receiving funds:

- a. Name: University of Florida/IFAS
- b. County (County where funds are to be expended): Alachua
- c. Service Area (Counties being served by the service(s) provided with funding): Statewide

10. What type of organization is the entity that will receive the funds? (Select one)

- For Profit
- Non Profit 501(c) (3)
- Non Profit 501(c) (4)
- Local Government
- University or College
- Other (Please describe)

11. What is the specific purpose or goal that will be achieved by the funds being requested?

The goals are to provide guidance and assistance for identification implementation of effective HAB mitigation strategies for impacted aquatic ecosystems with user-groups, stakeholders & regional water management organizations. It will use a watershed approach to assess dominant point & non-point sources of algal-growth supporting nutrients, model the relative contribution of nutrients from each sources to HAB formation, & evaluate viability and feasibility of current & proposed strategies.

12. Provide specific details on how funds will be spent. (Select all that apply)

Spending Category	Description	Nonrecurring (Should equal 4d, Col. E) Enter "0" if request is zero for the category
Administrative Costs:		
<input type="checkbox"/> a. Executive Director/Project Head Salary and Benefits		
<input type="checkbox"/> b. Other Salary and Benefits		
<input type="checkbox"/> c. Expense/Equipment/Travel/Supplies/Other		
<input type="checkbox"/> d. Consultants/Contracted Services/Study		
Operational Costs:		
<input checked="" type="checkbox"/> e. Salaries and Benefits	13 Post-Doctoral students, 13 Faculty salaries and 3 Extension program staff to facilitate project	1,499,000
<input checked="" type="checkbox"/> f. Expenses/Equipment/Travel/Supplies/Other	Travel for 28 faculty and staff involved in program, equipment and supplies for 8 departments across UF/IFAS, Communication and outreach.	255,000
<input type="checkbox"/> g. Consultants/Contracted Services/Study		
Fixed Capital Construction/Major Renovation:		

<input type="checkbox"/> h. Construction/Renovation/Land/Planning Engineering		
TOTAL		1,754,000

13. For the Fixed Capital Costs requested with this issue (In Question 12, category "h. Fixed Capital Outlay" was selected), what type of ownership will the facility be under when complete? (Select one correct option)

- For Profit
- Non Profit 501(c) (3)
- Non Profit 501(c) (4)
- Local Government (e.g., police, fire or local government buildings, local roads, etc.)
- State agency owned facility (For example: college or university facility, buildings for public schools, roads in the state transportation system, etc.)
- Other (Please describe)

14. Is the project request an information technology project?

No

15. Is there any documented show of support for the requested project in the community including public hearings, letters of support, major organizational backing, or other expressions of support?

Yes

15a. Please Describe:

Due to the significant negative impact on the economy and quality of life caused by HAB events, the citizens of Florida are asking for solutions in multiple local government meetings, legislative delegation meetings and other HAB specific meetings. Mote Marine Red tide Initiative request to UF and IFAS to collaborate to address the Harmful Algal Bloom challenges across the state. The Governor's Blue Green Algae Task Force consensus, recommendations and the public comments show express support.

16. Has the need for the funds been documented by a study, completed by an independent 3rd party, for the area to be served?

Yes

16a. Please Describe:

Governor DeSantis' Blue Green Algae Task Force Meeting consensus related to blue-green algae blooms and public health, science based decision making, data needs and monitoring programs and Innovative Technologies and Applications site needs for this research project to assess impacts and mitigation efforts for Blue-green algae that are most effective.

17. Will the requested funds be used directly for services to citizens?

Yes

17a. What are the activities and services that will be provided to meet the purpose of the funds?

The programmatic effort will be facilitated by regional UF Extension faculty present in all 67 counties and collaborations between local/state experts and UF scientists, capitalize on existing relationships and partnerships and serve as catalysts for communication of results to government agencies, resource managers, Governor's HAB task forces, other academic institutions and the general public. Specific activities include meetings, workshops, charrettes, focus groups and/or symposiums necessary

17b. Describe the direct services to be provided to the citizens by the funding requested.

The services provided by this project will refine and improve on existing Basin Management Action Plans ensuring the best use of local, state and federal tax dollars. The project will also generate workforce-ready professionals aware of HAB issues through our comprehensive academic programs - including formal university instruction, post-graduate certificate programs, and professional short courses-delivered using distance education technologies around the state. Services provided by activities

17c. Describe the target population to be served (i.e., "the majority of the funds requested will serve these target populations or groups.").

Select all that apply to the target population:

- Elderly persons
- Persons with poor mental health
- Persons with poor physical health
- Jobless persons
- Economically disadvantaged persons
- At-risk youth
- Homeless
- Developmentally disabled
- Physically disabled
- Drug users (in health services)
- Preschool students
- Grade school students
- High school students
- University/college students
- Currently or formerly incarcerated persons
- Drug offenders (in criminal Justice)
- Victims of crime

General (The majority of the funds will benefit no specific group)

Other (Please describe): Ecosystems damaged by HAB events in specific watershed of Lake Okeechobee, Caloosahatchee Estuary,

17d. How many in the target population are expected to be served?

< 25

25-50

51-100

101-200

201-400

401-800

>800

18. What benefits or outcomes will be realized by the expenditure of funds requested? (Select each Benefit/Outcome that applies)

Benefit or Outcome	Provide a specific measure of the benefit or outcome	Describe the method for measuring level of benefit
<input checked="" type="checkbox"/> Improve physical health	Reduce the potential for human exposure to harmful algal toxins associated with algal blooms, and diminish the risks for damage to aquatic resources of human value, such as recreational opportunities, fisheries, tourism, property value and other commercial uses	Success will be verification of sustained reductions in the frequency and intensity of HABs through future monitoring efforts
<input type="checkbox"/> Improve mental health		
<input type="checkbox"/> Enrich cultural experience		
<input type="checkbox"/> Improve agricultural production/promotion/education		
<input checked="" type="checkbox"/> Improve quality of education	Generate workforce-ready professionals aware of HAB issues through our comprehensive academic programs - including formal university instruction, post-graduate certificate programs, and professional short	Post-project assessment by stakeholder groups, that will evaluate the level of use of the program tools and deliverables generated by the program.

	courses-delivered using distance education technologies around the state.	
<input checked="" type="checkbox"/> Enhance/preserve/improve environmental or fish and wildlife quality	The project will model nutrient sources, control program feasibility plans, and techno-economic analyses that will build off and refine existing BMAPs.	Post-project assessment by stakeholder groups, that will evaluate the level of use of the program tools and deliverables generated by the program.
<input checked="" type="checkbox"/> Protect the general public from harm (environmental, criminal, etc.)	Reduce the potential for human exposure to harmful algal toxins associated with algal blooms, and diminish the risks for damage to aquatic resources of human value, such as recreational opportunities, fisheries, tourism, property value and other commercial uses	Success will be verification of sustained reductions in the frequency and intensity of HABs through future monitoring efforts
<input type="checkbox"/> Improve transportation conditions		
<input type="checkbox"/> Increase or improve economic activity		
<input checked="" type="checkbox"/> Increase tourism	Diminish the risks for damage to aquatic resources of human value, such as recreational opportunities, fisheries, tourism, property value and other commercial uses.	Success will be verification of sustained reductions in the frequency and intensity of HABs through future monitoring efforts
<input checked="" type="checkbox"/> Create specific immediate job opportunities	Generate workforce-ready professionals aware of HAB issues through our comprehensive academic programs	Post-project assessment by stakeholder groups, that will evaluate the level of use of the program tools and deliverables generated by the program.
<input type="checkbox"/> Enhance specific individual's economic self sufficiency		

<input type="checkbox"/> Reduce recidivism		
<input type="checkbox"/> Reduce substance abuse		
<input type="checkbox"/> Divert from Criminal/Juvenile justice system		
<input type="checkbox"/> Improve wastewater management		
<input type="checkbox"/> Improve stormwater management		
<input type="checkbox"/> Improve groundwater quality		
<input type="checkbox"/> Improve drinking water quality		
<input type="checkbox"/> Improve surface water quality		
<input type="checkbox"/> Other (Please describe):		

19. Provide the total cost of the project for FY 2020-21 from all sources of funding (Enter "0" if amount is zero):

Type of Funding	Amount	Percent of Total	Are the other sources of funds guaranteed in writing?
1. Amount Requested from the State in this Appropriations Project Request:	1,754,000	100.0%	N/A
2. Federal:	0	0.0%	No
3. State: (Excluding the requested Total Amount in #4d, Column F)	0	0.0%	No
4. Local:	0	0.0%	No
5. Other:	0	0.0%	No
TOTAL	1,754,000	100%	

20. Is this a multi-year project requiring funding from the state for more than one year?

No