



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2023-2024

LFIR # 1242

1. Project Title
2. Senate Sponsor
3. Date of Request

4. Project/Program Description

These funds are for the continuation of research by the University of Florida Institute of Food and Agricultural Sciences (UF/IFAS) for the purpose of providing modernized, science-based fertilizer (nutrient) application rates to crops. It will also provide recommendations on best management practices for applying nutrients in the most efficient manner to maintain and or increase production while reducing impacts to the environment. Simultaneously, UF/IFAS will continue developing an artificial intelligence database on nutrient recommendations that will be developed through students in agriculture and engineering disciplines working with local farmers.

5. State Agency to receive requested funds
- State Agency contacted?

6. Amount of the Nonrecurring Request for Fiscal Year 2023-2024

Type of Funding	Amount
Operations	6,200,000
Fixed Capital Outlay	0
Total State Funds Requested	6,200,000

7. Total Project Cost for Fiscal Year 2023-2024 (including matching funds available for this project)

Type of Funding	Amount	Percentage
Total State Funds Requested (from question #6)	6,200,000	100%
Matching Funds		
Federal	0	0%
State (excluding the amount of this request)	0	0%
Local	0	0%
Other	0	0%
Total Project Costs for Fiscal Year 2023-2024	6,200,000	100%

8. Has this project previously received state funding?

Fiscal Year (yyyy-yy)	Amount		Specific Appropriation #	Vetoed
	Recurring	Nonrecurring		
2022-23	0	8,763,753	1480A	No

9. Is future funding likely to be requested?
- a. If yes, indicate nonrecurring amount per year.
- b. Describe the source of funding that can be used in lieu of state funding.
-

10. Has the entity requesting this project received any federal assistance related to the COVID-19 pandemic?



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2023-2024

LFIR # 1242

If yes, indicate the amount of funds received and what the funds were used for.

REVENUE: \$76M DIRECT STUDENT AID & \$93M INSTITUTIONAL SUPPORT; EXPENSES: 1) \$76M-DIRECT STUDENT AID; 2) \$93M-CAMPUS OPERATIONS: \$8.7M FOR IT INFRASTRUCTURE & EQUIPMENT FOR REMOTE/DISTANCE LEARNING; \$9.4M REIMBURSEMENTS FOR HOUSING/STUDY ABROAD; \$9.1M CAMPUS HEALTH/SAFETY; \$8.2M OTHER OPERATING/RESEARCH COSTS: STUDENT MENTAL HEALTH/BASIC NEEDS; \$57.6M FOR LOST REVENUES IN THE STUDENT UNION, EDUCATIONAL BUSINESS ACTIVITIES, PARKING, RESEARCH SERVICE CENTERS, MUSEUMS/PERFORMING ARTS CENTERS.

Complete questions 11 and 12 for Fixed Capital Outlay Projects

11. Status of Construction

a. What is the current phase of the project?

- Planning
 Design
 Construction

b. Is the project "shovel ready" (i.e permitted)?

c. What is the estimated start date of construction?

d. What is the estimated completion date of construction?

12. List the owners of the facility to receive, directly or indirectly, any fixed capital outlay funding. Include the relationship between the owners of the facility and the entity.

13. Details on how the requested state funds will be expended

Spending Category	Description	Amount
Administrative Costs:		
Executive Director/Project Head Salary and Benefits		0
Other Salary and Benefits		0
Expense/Equipment/Travel/Supplies/Other		0
Consultants/Contracted Services/Study		0
Operational Costs: Other		
Salary and Benefits		0
Expense/Equipment/Travel/Supplies/Other	Travel. equipment, lab samples	6,200,000
Consultants/Contracted Services/Study		0
Fixed Capital Construction/Major Renovation:		
Construction/Renovation/Land/Planning Engineering		0
Total State Funds Requested (must equal total from question #6)		6,200,000

14. Program Performance

a. What specific purpose or goal will be achieved by the funds requested?



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2023-2024

LFIR # 1242

Development of a Nutrient Research & Education Program to increase UF/IFAS' capacity to assess and update crop nutrient management recommendations. Fertilizer recommendations need to be reviewed, assessed and revised where new research justifies a change. However, the field research and review process takes three years at best and perhaps longer. With 300 significant crops grown in Florida, this is a monumental task that requires long term funding and significant coordination. This proposal is designed to support science and the development, review and roll out of fertilizer application recommendations.

b. What activities and services will be provided to meet the intended purpose of these funds?

Conduct on-farm trials/demonstrations and field scale research trials on research center farms to cover the range of production area. Research will be conducted on identified priority crops initially and other crops determined as critical. Education on the most up to date findings will be provided to the agriculture industry through our Extension program.

c. What direct services will be provided to citizens by the appropriation project?

More efficient food production and reduced impact to water quality and the environment.
Education regarding use of the latest technologies in precision agriculture and up to date nutrient uses.

d. Who is the target population served by this project? How many individuals are expected to be served?

Farmers, ranchers and producers across the state. There are over 47,400 farms with nearly 1.5M jobs in Florida that could potentially benefit from this research. In addition, Floridians will benefit through less impacts to our water and the environment.

e. What is the expected benefit or outcome of this project? What is the methodology by which this outcome will be measured?

More accurate nutrient rates will enable agriculture producers to become more efficient in fertilizer use decreasing the cost of production and reducing impacts to the state's environment and water quality. The success will be measured by the reduced nutrient runoff from agriculture operations.

f. What are the suggested penalties that the contracting agency may consider in addition to its standard penalties for failing to meet deliverables or performance measures provided for the contract?

Standard penalties for the state university system.

15. Requester Contact Information

a. First Name Last Name

b. Organization

c. E-mail Address

d. Phone Number Ext.

16. Recipient Contact Information

a. Organization

b. Municipality and County

c. Organization Type

- For Profit Entity
- Non Profit 501(c)(3)
- Non Profit 501(c)(4)



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2023-2024

LFIR # 1242

- Local Entity
- University or College
- Other (please specify)

d. First Name **Last Name**

e. E-mail Address

f. Phone Number

17. Lobbyist Contact Information

a. Name

b. Firm Name

c. E-mail Address

d. Phone Number