

Office of Agricultural Water Policy

Blue-Green Algae Task Force

June 4, 2024



OAWP Responsibilities



Development and implementation of agricultural best management practices (BMPs)

Implementation of cost share programs

Water supply and water quality planning and coordination

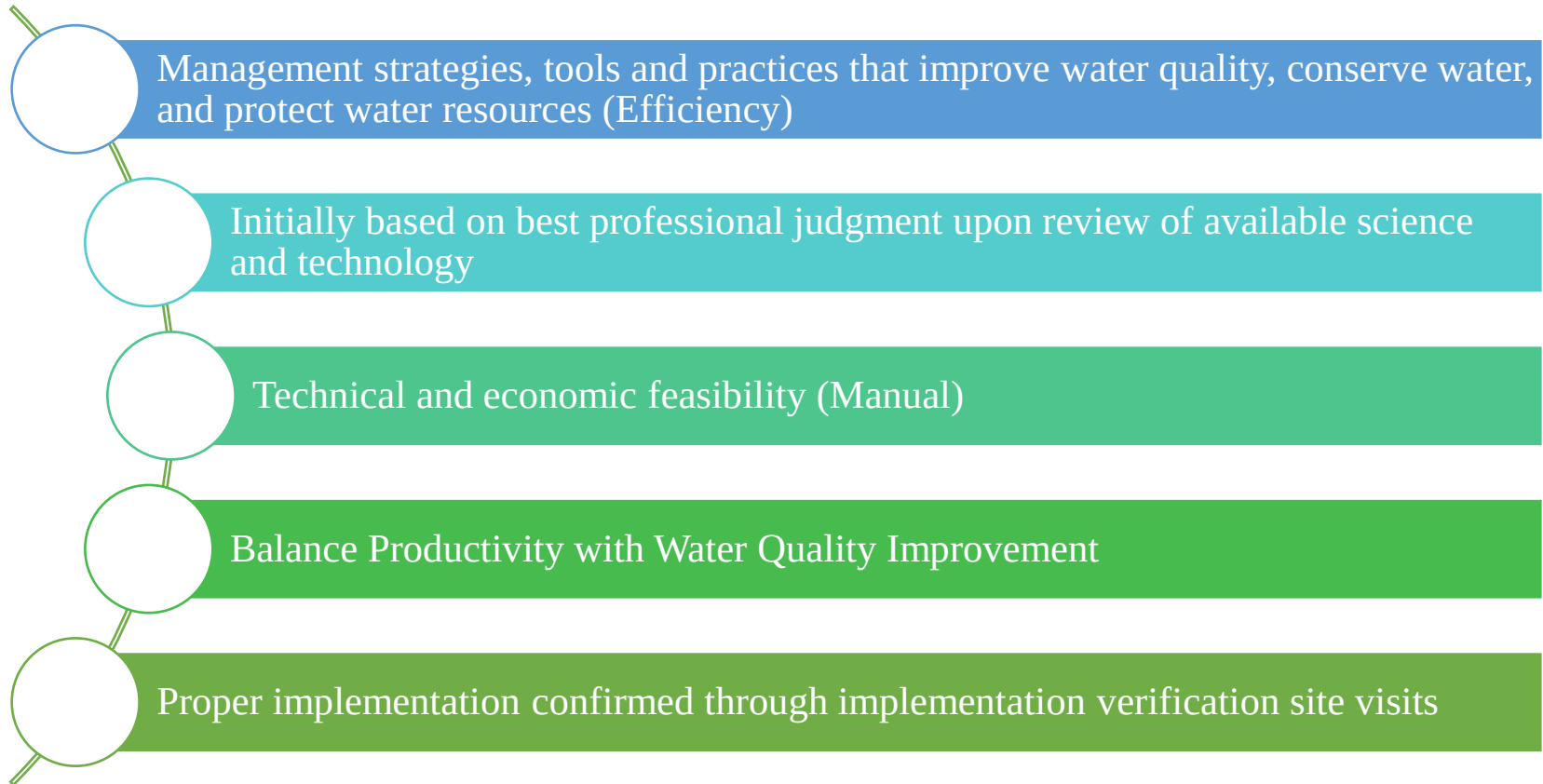
Scientific and technical research

Other policy development and statutory responsibilities

Binding determinations



BMPs



When are BMPs Required?

Within BMAP areas, agricultural producers or landowners are required to:

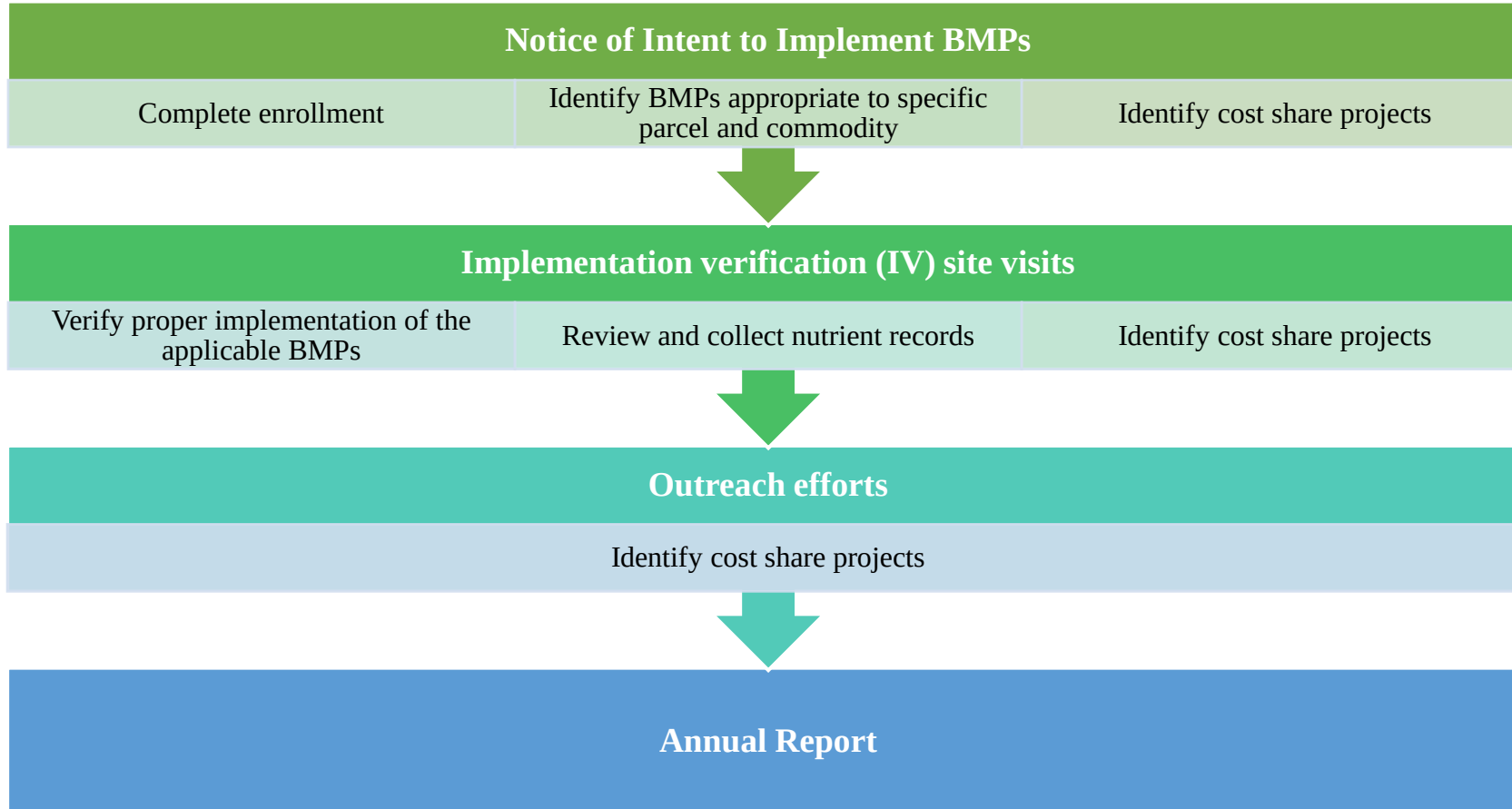
- Enroll in the BMP program and implement applicable best management practices **OR**
- Demonstrate their compliance with state water quality standards by conducting water quality monitoring prescribed by DEP or a water management district



How are BMPs Developed? 403.067(7)(c)



BMP Enrollment and Verification Process



Cost Share Programs

Prioritization

- “Bang for the buck”
- Targeted areas
- Economic feasibility
- Regional Projects

Collaboration & Leveraging

- Water management district programs
- Statutory requirements as a collaborative agency
- Federal agency programs (Natural Resources Conservation Service - USDA)



Scientific and Technical Research

- Scientific and technical foundation for BMP development and improvement
- **OAWP Research Priorities**
 - <https://www.fdacs.gov/Agriculture-Industry/Water/Agricultural-Best-Management-Practices/BMP-Research>



OAWP Outlook: 5 Goals

Improve
Perception of
BMPs

Increase
Enrollment

Update
Manuals

Implement
Regional
Projects

Improve
Relationships



5 Goals: Improve Perception of BMPs



Engage Enrollees

Update Research

Present Successes



Improve Perception of BMPs Status



Thank you for helping protect Florida's water resources!

Florida's farmers and ranchers play an important role in conserving water resources and ecosystems across the state by implementing FDACS Best Management Practices (BMP).

In 2022, producers worked with FDACS staff to:

- Maintain over 12,000 BMP enrollments
- Complete 2,043 BMP implementation verifications including 93% of all enrollments within Basin Management Action Plan areas
- Implement new BMPs assisted by more than \$12.5 million in cost share funds

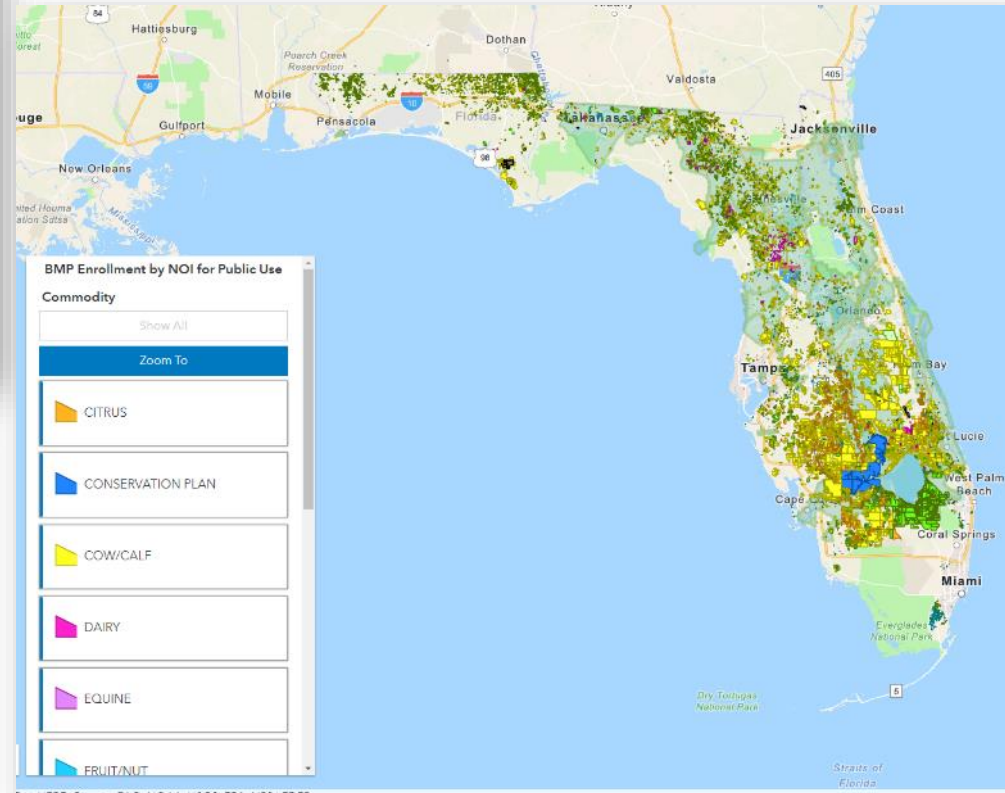
Help tell the industry's story by sharing this with those who would benefit from learning more about agriculture's contribution to Florida's environmental health.

Scan here for more on Agricultural BMPs



Florida Department of Agriculture
and Consumer Services
407 S. Calhoun St.
Tallahassee, FL 32399-0800

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Improve Perception of BMPs Status

Cost Share Summary Dashboard

Select one or more BMP Categories
No BMP Category Selected

Select a Cost Share Category
No Cost Share Category Selected

Select one or more Cost Share Types
No Type Selected

Select one or more Fiscal Years
No FY selected

Select one or more Contracts
No Contract selected

Select one or more Commodities
No Commodity selected

Select a Conservation District
No Conservation District Selected

Select a Water Management District
No WMD selected

Select a BMAP Type
No BMAP Type Selected

Select an (Old) Cost Share Type
No (Old) Cost Share Type Selected

Total Cost Share Dollars:
\$124,800,046.45

Average Reimbursement:
Total Cost Share D...

Completed Cost Share
5,820

Across 3,200 NOIs

BMP Specs List

3B Cattle,
LLC, NOI: 230100040 -
\$23,392.81
13,125ft of cross fencing for
rotational grazing

J. Jones Farm
LLC, NOI: 41253 -
\$16,965.00
John Deere RTK GPS, John
Deere 7000 Receiver, John
Deere G5 Display, John
Deere 450 Radio, & John
Deere Autotrac 300.

Clint
Simpson, NOI: 12500680 -
\$6,975.00
Tarver PP8 pasture
renovator/aerator

Shuman Greens
LLC, NOI: 222100004 -
\$50,000.00
Pressure Compensating
dripline system (tubing,
emitters), automated
computer system for
irrigation, fertigation, and
sensors for pH, EC, and water
volume flow.

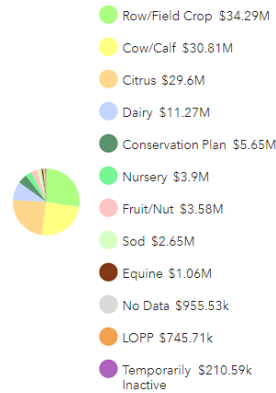
Joseph Williams, NOI: 43563

Select one or more Producers
No Producer selected

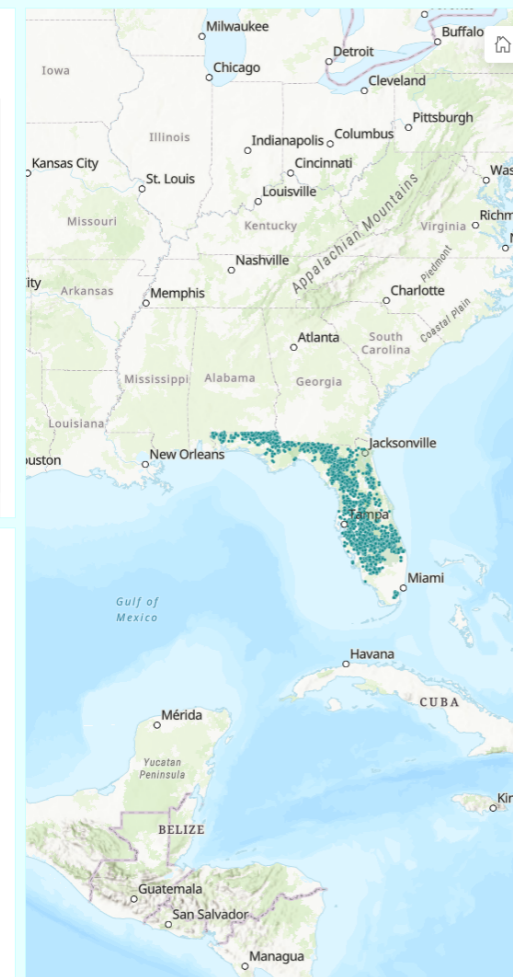
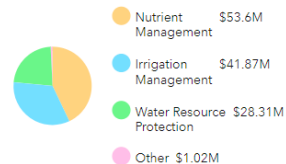
Select one or more NOIs
No NOI Selected

Select an Updated NOI
No NOI selected

Cost Share by Commodity



Cost Share by BMP Category



Improve Perception: Status

- **Cost Share Revamp:**
 - Increased clarity and transparency
 - Regional-specific project types
 - Greater emphasis on data collection and spatial mapping



5 Goals: Increase Enrollment

Enrollment Mail Out Process

Digital Tool for Staff

Update Implementation Assistance

Continue Implementation Verification Success



Increase Enrollment: Status

Development NOI Enrollment

Producer Information

In consultation with Florida Department of Agriculture and Consumer Services (FDACS), complete this **Notice of Intent (NOI)** and each applicable **BMP Checklist**, identifying the BMPs currently in use or applicable to your property. The NOI may list multiple parcels only if all of the following apply: the parcels are contiguous, they are owned or leased by the same person or entity, the same type of operation is conducted on each included parcel, and are applying the same BMPs. **NOTE: Enrollment in the FDACS BMP program does not occur until the completion of a site visit by FDACS representatives to confirm the BMPs applicable to the subject property.**

If this form is being executed pursuant to an implementation verification site visit, the Producer acknowledges receipt of documentation provided by FDACS representatives identifying any new applicable BMPs, corrective or remedial actions required pursuant to Rule 5M-1, F.A.C., and/or recommended practices eligible for implementation with cost share assistance.

Keep a copy of the completed **NOI** and **BMP Checklist** in your files as part of your record keeping responsibilities. In all cases, the Landowner listed below will be notified of the completed enrollment and BMPs identified as applicable to the subject property. All information below is required for a valid submittal.

Name * Mailing Address *

City * State * Zipcode *

Telephone Number * Fax Number Email Address

Is the producer exempt from public records requests? *

☐ Yes ☐ No

2 of 4

Development NOI Enrollment

NOI Information

Identify the best management practices (BMP) manual, interim measures, or applicable Department rule that you are enrolled/enrolling under *

Farm/Site/Operation Name: *

Permit information (Completion of a BMP Checklist or site visit for those areas of the subject parcel covered by the NPDES permit will not be required. All other information provided in this form is still required. The status of enrollment in the BMP)

A National Pollutant Discharge Elimination System Permit (NPDES) has been issued for the subject parcel. *

Yes ☐ No ☐

NPDES Permit Number:

A South Florida Water Management District Rule Chapter 40E-63, F.A.C. Permit has been issued for the subject parcel. *

Yes ☐ No ☐

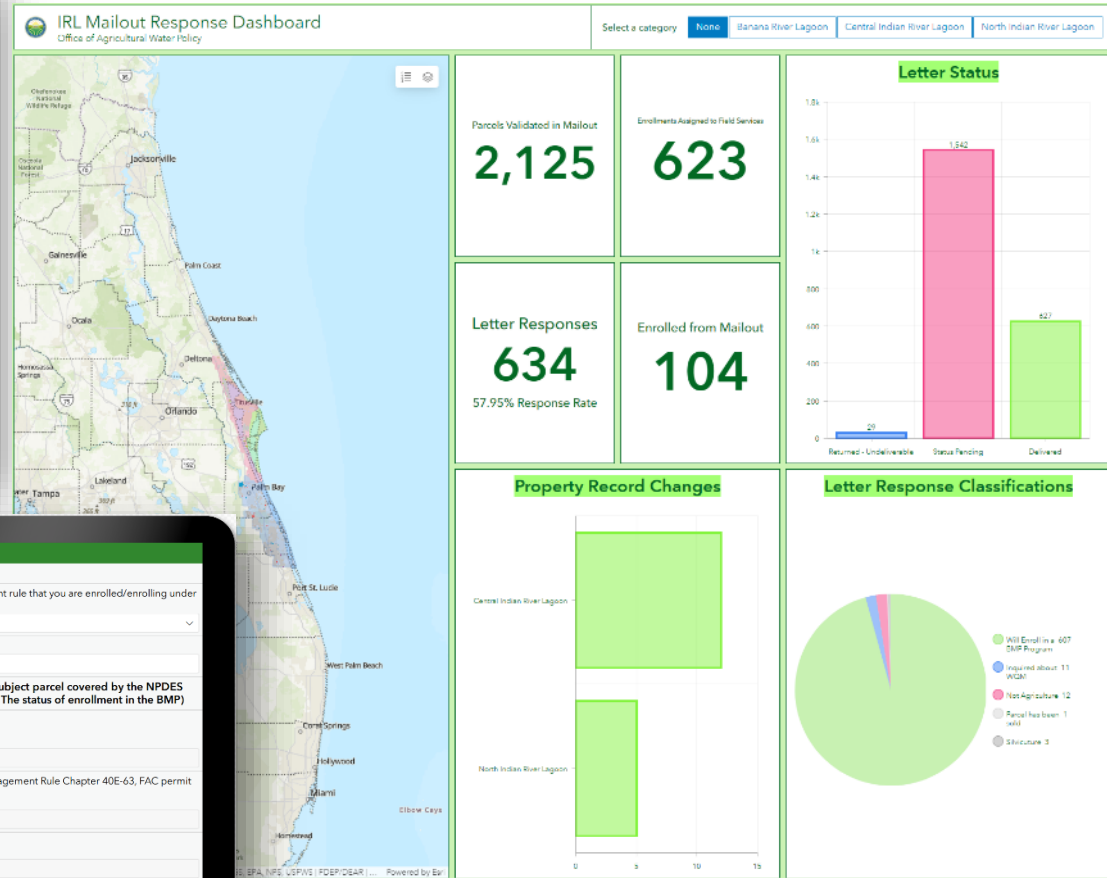
South Florida Water Management Rule Chapter 40E-63, FAC permit Number

The subject parcel has a hemp license *

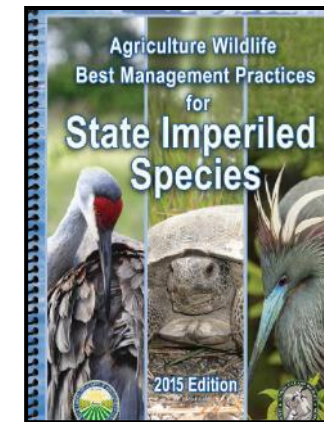
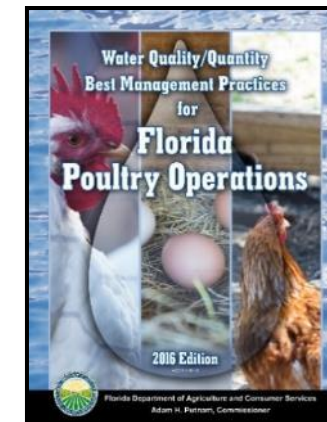
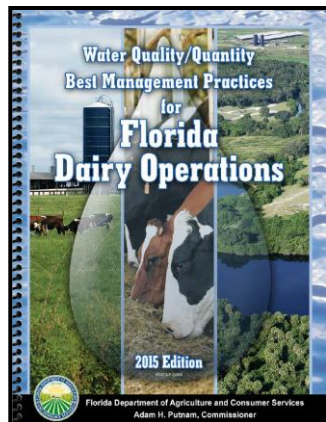
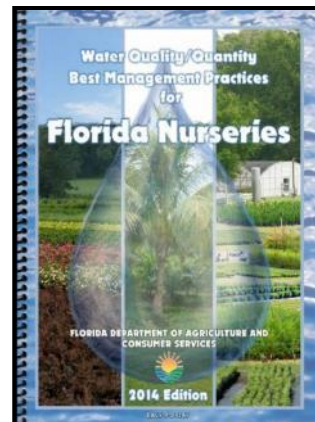
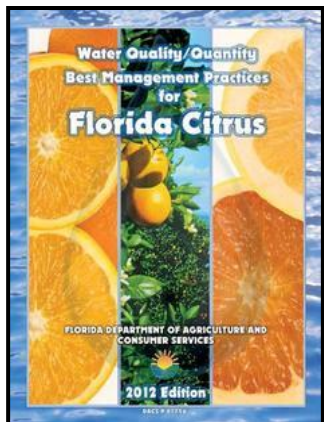
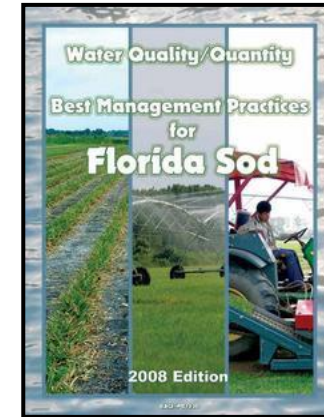
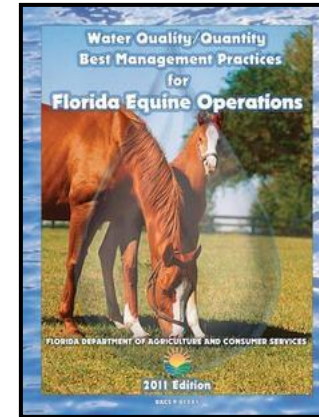
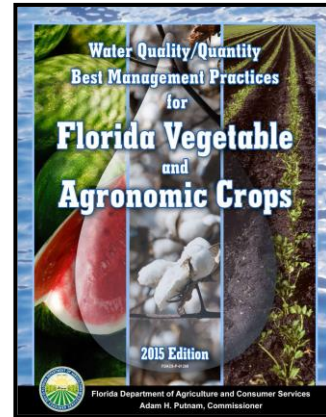
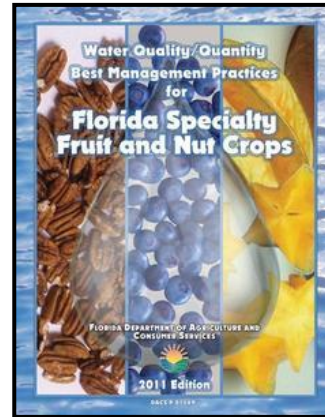
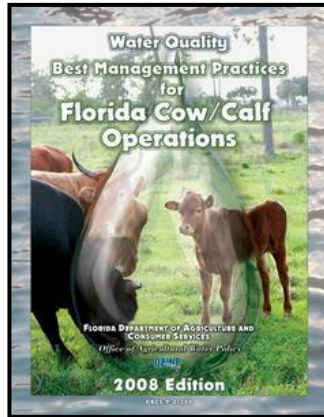
Yes ☐ No ☐

Hemp permit number:

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5 Goals: Update BMP Manuals

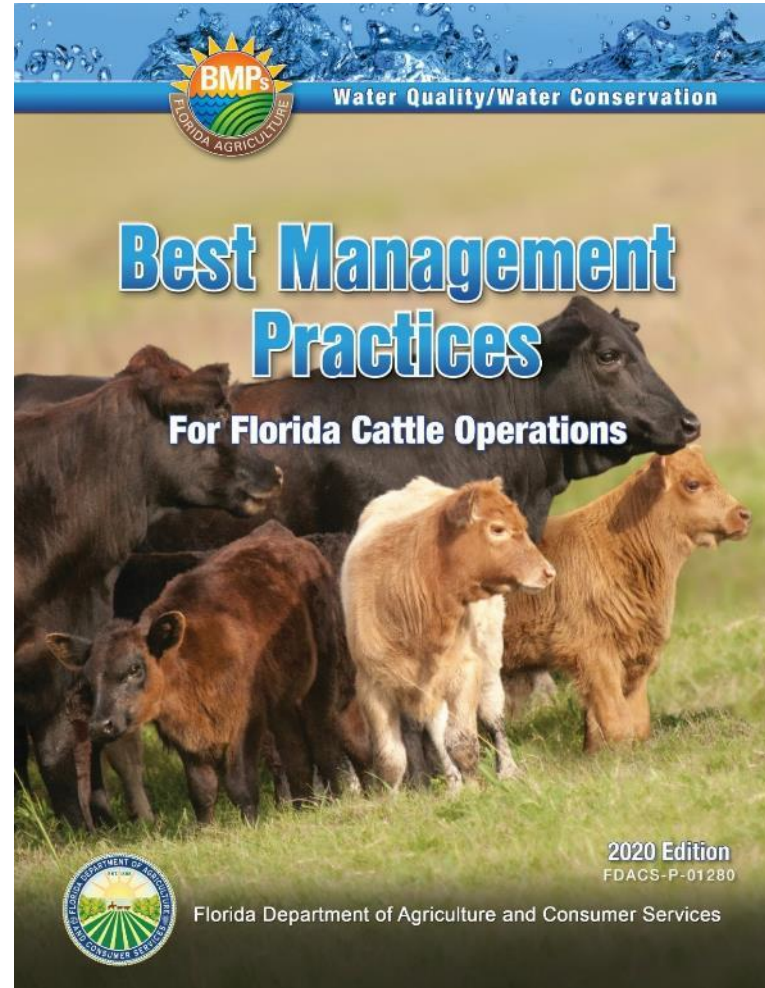


Update BMP Manuals: Status

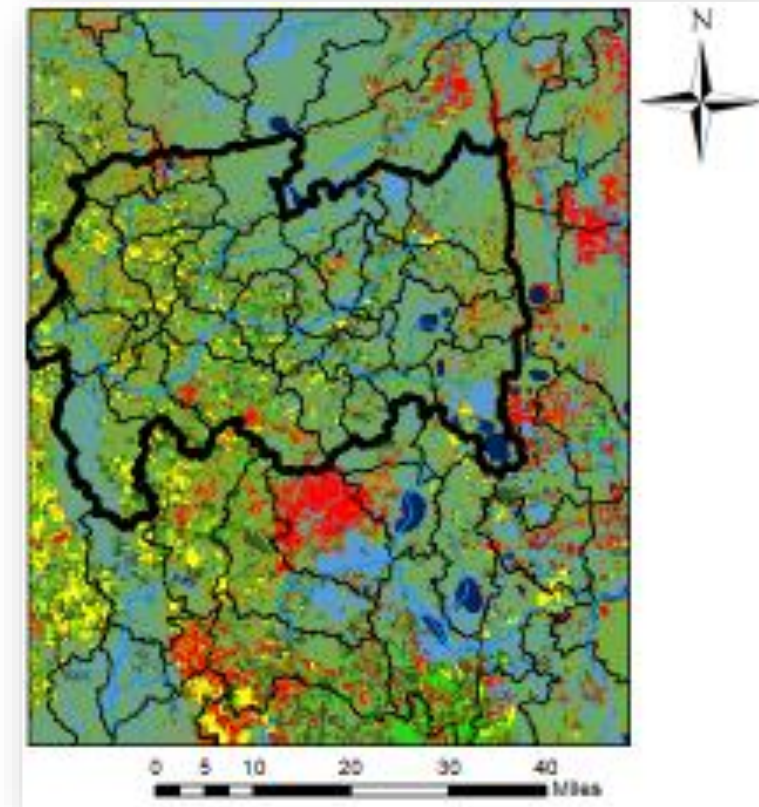
Best Management Practices (BMPs)

The producer agrees to perform the following items either checked as "In Use" or "Planned":

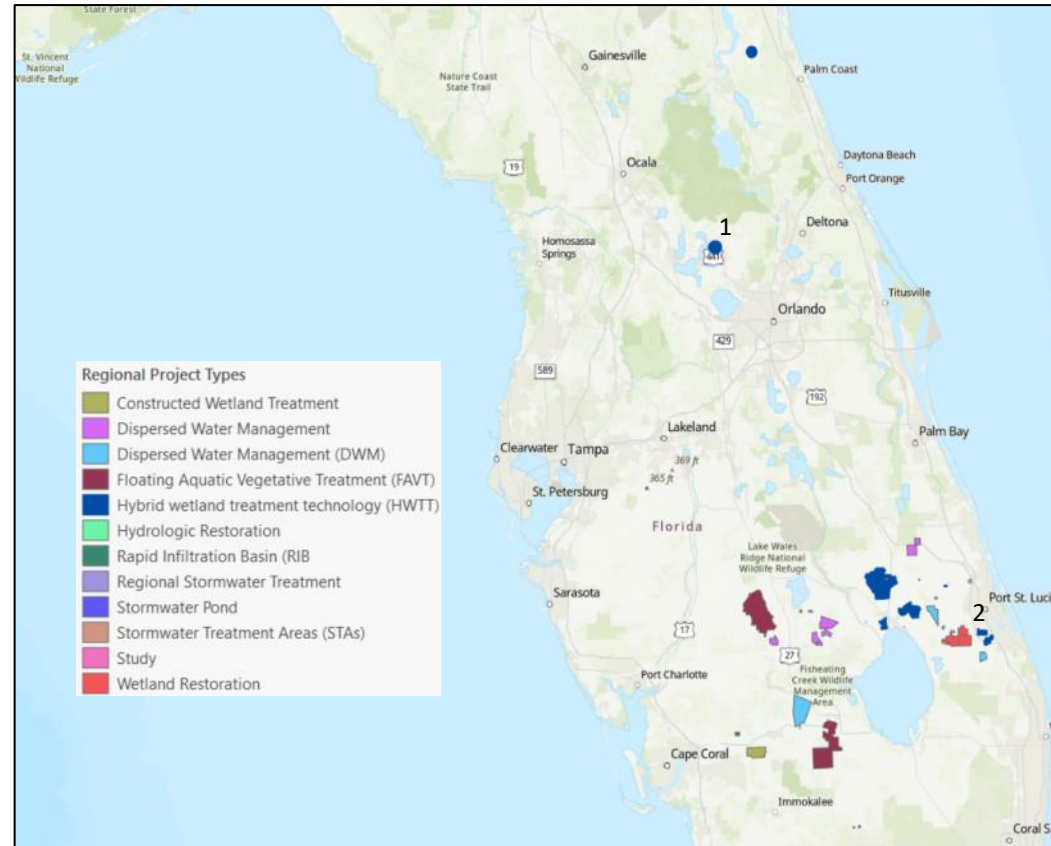
Nutrient Management				
Do you apply nutrients or plan to apply nutrients in any form on the operation associated with this NOI?		Yes	No	-
		In Use	Planned	N/A
1.1	Right Source			
	1 If using commercial fertilizer (including Class AA biosolids), identify and document the nitrogen (N), phosphorus (P), and potassium (K) concentrations using the guaranteed analysis or product label information prior to application.			
	2 If using manures, poultry litter, compost, or other sources, determine and document the N, P, and K concentrations of those materials prior to application. Acceptable alternatives to laboratory analysis include supplier analysis, NRCS guidelines or values established in scientific literature.			
	3 If using Class A or Class B biosolids, account for the nutrient concentrations and follow the requirements of the FDEP permit.			
1.2	Right Rate			
1.3	Right Rate			
1.4	Right Rate			
1.5	Right Rate			
1.6	Right Rate			
1.7	Right Rate			
1.8	Right Rate			
1.9	Right Rate			
1.10	Right Rate			
1.11	Right Rate			
1.12	Right Rate			
1.13	Right Rate			
1.14	Right Rate			
1.15	Right Rate			
1.16	Right Rate			
1.17	Right Rate			
1.18	Right Rate			
1.19	Right Rate			
1.20	Right Rate			



5 Goals: Implement Regional Projects



Regional Projects



Implement Regional Projects: Status



5 Goals: Improve Relationships

DEP

- Shared Goals with Chief Science Officer
- Agency Coordination

Water Management Districts

- Regional Projects
- NEEPP Implementation
- Visit Governing Boards

Universities

- Contracting Process
- Shared Goals for Research



Improve Relationships: Status

BMP Research Updates:

- Standardized Application and Award Process
- Request for applications closed on March 11, 2024.
- Working on Uniform Data template
- One or two project highlights from research summary

BMP Research

The Florida Department of Agriculture and Consumer Services (FDACS) develops, adopts and assists with the implementation of agricultural Best Management Practices (BMPs) to protect and conserve Florida's water resources. Each year, FDACS considers applications for BMP research funding that supports current BMPs or evaluates potential BMPs for water quality and water conservation.

Research Spotlight

During a tomato field day at the University of Florida Institute of Food and Agricultural Sciences (UF/IFAS) Gulf Coast Research and Education Center in Wimauma, Dr. Joao Cardoso discusses differences between water-soluble and controlled-release fertilizers and the potential benefits of fertilizer coating technology to improve nitrogen use efficiency of tomato plants.



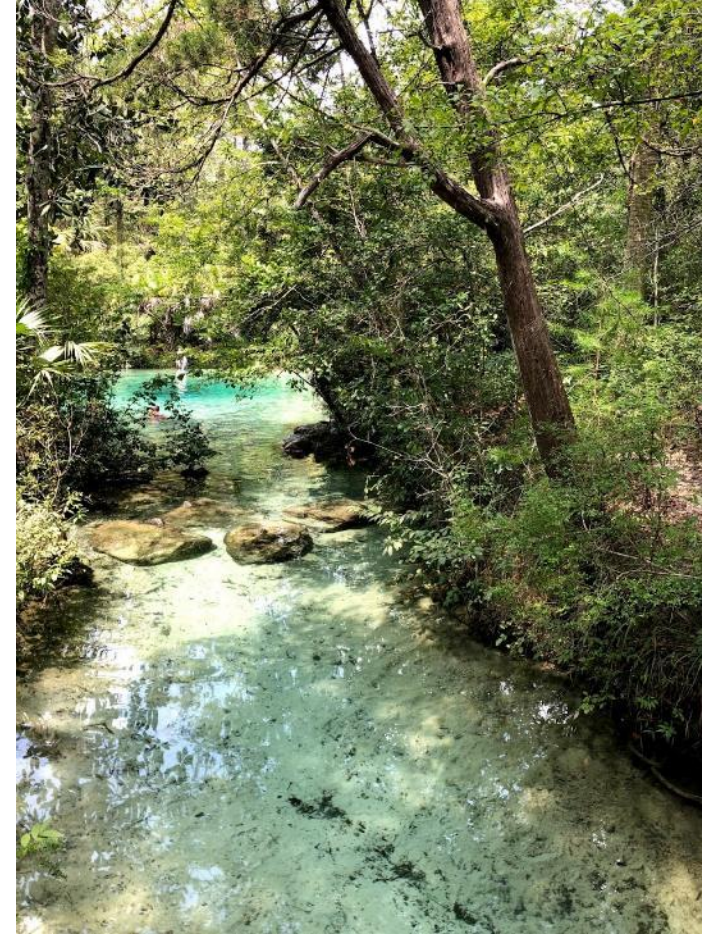
Photo: Dr. Shinsuke Agehara, UF/IFAS

Request for BMP Research Applications Is Closed

The FDACS Office of Agricultural Water Policy accepted BMP research and demonstration project applications through **March 11, 2024**. We are not accepting additional applications. The next request for applications is anticipated in January 2025.



Connection Between BMPs and Water Quality



Thank You!

**West Gregory
Director**

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<http://www.fdacs.gov/Divisions-Offices/Agricultural-Water-Policy>

