



**Hernando County**  
**Board of County Commissioners**  
**Workshop**

**Fire Rescue Assessment Rates and Fertilizer**  
**Minutes**

**May 2, 2023**

**CALL TO ORDER**

The meeting was called to order at 9:00 a.m. on Tuesday, May 2, 2023, in the John Law Ayers County Commission Chambers, Government Center, Brooksville, Florida.

<u><b>Attendee Name</b></u>	<u><b>Title</b></u>
John Allocco	Chairman
Elizabeth Narverud	Vice Chairman
Steve Champion	Second Vice Chairman
Jerry Campbell	Commissioner
Brian Hawkins	Commissioner
Toni Brady	Office of Management and Budget Director/Chief Procurement Officer
Allys Brockway	Water Resource Manager
Paul Hasenmeier	Public Safety Director/Fire Chief
Scott Herring	Interim Deputy County Administrator
Jon Jouben	County Attorney
Gordon Onderdonk	Utilities Director
Jeffrey Rogers	County Administrator
Heidi Kurppe	Deputy Clerk

**Invocation**

**Pledge of Allegiance**

**AGENDA**

**Motion**

To approve the Agenda.

<b>RESULT:</b>	<b>ADOPTED</b>
<b>MOVER:</b>	Steve Champion
<b>SECONDER:</b>	Elizabeth Narverud
<b>AYES:</b>	Allocco, Narverud, Champion, Campbell and Hawkins

**COUNTY ADMINISTRATOR JEFFREY ROGERS**

**Presentation Regarding Fire Assessment Municipal Service Benefit Unit (MSBU) and  
Emergency Medical Services Municipal Service Taxing Unit (MSTU) Rates**

Comm. Narverud temporarily left the meeting and returned shortly thereafter.

**CITIZENS' COMMENTS**

There were no citizens' comments.

There was Board consensus to set another workshop to continue this discussion during the Board meeting scheduled on May 9, 2023.

**RECESS/RECONVENE**

The Board recessed at 12:30 p.m. and reconvened at 1:00 p.m.

**COUNTY ADMINISTRATOR JEFFREY ROGERS**

**Workshop Regarding Potential Revisions to Ordinance No. 2013-34 Expanding  
Restrictions on Fertilizer Application**

**CITIZENS' COMMENTS**

Citizens commented on various topics and issues.

**Workshop Regarding Potential Revisions to Ordinance No. 2013-34 Expanding  
Restrictions on Fertilizer Application**

There was Board consensus to direct the staff to move forward with the following directives pertaining to potential revisions to expanding restrictions on fertilizer application and to bring it back to the Board for discussion at a future Board meeting: the restrictive period for Nitrogen fertilizers to be December 15th through March 15th and June 1st through September 30th; no directive on slow release Nitrogen fertilizers; buffer setbacks to a minimum of 25-feet, more if allowed; Phosphorus fertilizers are not allowed in the banned period of Nitrogen fertilizers; GI-BMP training is required for managers and supervisors, if not already a requirement; and mandatory posting of restrictions at places that sell fertilizers.

**ADJOURNMENT**

The meeting was adjourned at 3:20 p.m.



**Board of County Commissioners  
Workshop**

Meeting: 05/02/2023  
Department: HCFRD  
Prepared By: Kelly Trout  
Initiator: Paul Hasenmeier  
DOC ID: 12148  
Legal Request Number:  
Bid/Contract Number:

**AGENDA ITEM**

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**TITLE**

Presentation Regarding Fire Assessment Municipal Service Benefit Unit (MSBU) and Emergency Medical Services Municipal Service Taxing Unit (MSTU) Rates

**BRIEF OVERVIEW**

Hernando County Fire and Emergency Services contracted with Raftelis Financial Consultants, Inc., to perform a comprehensive update of the County's current fire assessment Municipal Service Benefit Unit (MSBU) and EMS Municipal Service Taxing Unit (MSTU) rates. Raftelis Financial Consultants, Inc., will be presenting their findings and will request the Board to give direction for any rate adjustments.

**FINANCIAL IMPACT**

MSBU rate adjustments would be recognized in the Fiscal Year 2024 budgets.

**LEGAL NOTE**

NA

**RECOMMENDATION**

It is recommended that the Board provide direction for new rate adjustments. If the Board directs staff to increase rates, a public hearing will be scheduled in June.

**REVIEW PROCESS**

Paul Hasenmeier	Approved	04/15/2023	3:58 PM
Toni Brady	Approved	04/25/2023	10:55 AM
Pamela Hare	Approved	04/25/2023	1:15 PM
Heidi Kurppe	Approved	04/26/2023	10:25 AM
Scott Herring	Approved	04/26/2023	10:36 AM
Jeffrey Rogers	Approved	04/26/2023	2:43 PM
Colleen Conko	Approved	04/26/2023	2:45 PM



THE HERNANDO SUN; Published Weekly

Brooksville Hernando County FLORIDA

PUBLISHER'S AFFIDAVIT OF PUBLICATION

STATE OF FLORIDA

COUNTY OF HERNANDO :

Before the undersigned authority personally appeared Julie B. Maglio, who on oath says that she is Editor of the Hernando Sun, a weekly newspaper published at Brooksville in Hernando County, Florida; that the attached copy of the advertisement, being a

NOTICE OF FIRE RESCUE ASSESSMENT RATES AND FERTILIZER WORKSHOP OF THE HERNANDO COUNTY

in the matter of  
BOARD OF COUNTY COMMISSIONERS

was published in said newspaper by print in the issue(s) of:  
April 28, 2023

and/or by publication on the newspaper's website, if authorized, on April 28, 2023

Affiant further says that the newspaper complies with all legal requirements for publication in chapter 50, Florida Statutes.

  
\_\_\_\_\_  
(Signature of Affiant)

Sworn to and subscribed before me  
this 28th day of April, 2023.

  
\_\_\_\_\_

(Signature of Notary Public)

LISA M. MACNEIL

Commission # HH 254975

Expires April 19, 2026



(Print, Type, or Stamp Commissioned Name of Notary Public)

Personally known  or

produced identification \_\_\_\_\_

Type of identification produced \_\_\_\_\_

**NOTICE OF FIRE RESCUE ASSESSMENT RATES AND FERTILIZER WORKSHOP OF THE HERNANDO COUNTY BOARD OF COUNTY COMMISSIONERS**

NOTICE IS HEREBY GIVEN that Hernando Board of County Commissioners has scheduled a Fire Rescue Assessment Rates and Fertilizer Workshop on Tuesday, May 2, 2023, beginning at 9:00 a.m., located at Hernando County Government Center, 20 North Main Street, Room 160, Brooksville, Florida.

If a person decides to appeal any quasi-judicial decision made by the Hernando County Board of County Commissioners with respect to any matter considered at such hearing or meeting, he or she may need to ensure that a verbatim record of the proceeding is made, which record includes the testimony and evidence upon which the appeal is to be based. In accordance with the Americans with Disabilities Act, persons with disabilities needing a special accommodation to participate in this proceeding should contact Colleen Conko, Hernando County Administration, 15470 Flight Path Drive, Brooksville, FL 34604, (352) 754-4002. If hearing impaired, please call 1-800-676-3777.

PUBLISH: April 28, 2023

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# Hernando County, FL

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## Fire Rescue MSBU/MSTU Update Study Preliminary Results

May 2, 2023



# Raftelis Team



**Michael Burton**  
Executive Vice President



**Thierry Boveri**  
Vice President



**Michelle Galvin**  
Consultant

## **Mike Burton, Raftelis**

Specializes in local government and utility finance. More than 35 years of experience, including a number of general fund financial sustainability studies. Based in St. Augustine, FL serving clients across the country

## **Thierry Boveri, Raftelis**

Specializes in utility and local government finance and accounting. 10 years of experience, including Solid Waste Rate Analyses for Hernando County. Based in Maitland, FL working with clients across the country.

## **Michelle Galvin, Raftelis**

Specializes in utility and local government finance and accounting with 5 years of consulting experience. Based in Maitland, FL working with clients across the southeast.

# Agenda

- **Section 1: Background**
- **Section 2: MSBU**
- **Section 3: MSTU**
- **Section 4: Specific Service Fees**
- **Appendix: Calculation of Specific Service Fees**

# Section 1

# Background



# Background

- Hernando County funds its Fire Rescue function through a Municipal Service Benefit Unit (MSBU) for Fire Rescue Service and a Municipal Service Taxing Unit (MSTU) for Emergency Medical Service (EMS)
- Raftelis was retained to update these two units to determine the following:
  - › The level of overall increase in revenue required each year from FY24 – FY28 in the MSBU and the MSTU for each to be financially sustainable through FY28 (five years),
  - › Increases in the specific MSTU tax rate required to be financially sustainable through FY28 (five years),
  - › A reallocation of costs in the MSBU based upon an updated calls for service analysis, and
  - › Determination of the FY24 MSBU assessment rates for each property class based upon reallocation of the FY24 revenue requirement in accordance with the updated calls for service analysis.

# Background

- In this presentation we will:
- Review our financial forecast for each unit to evaluate:
  - The status quo, which will assume:
    - Neither the assessment rates for the MSBU nor the tax rate for the MSTU are changed,
    - Revenues will increase by growth, and
    - Costs will increase by assumed cost escalation factors,
  - We will then determine the overall increase in assessment revenue for the MSBU and tax revenue for the MSTU required to cover all of each fund's expenses and maintain the unrestricted fund balance in each fund at or above minimum fund balance target levels.

# Background

- For both the MSBU and the MSTU analysis, County staff identified the following primary assumptions for the MSBU and the MSTU results presented in this presentation:
  - › Capital funded by MSBU or MSTU debt respectively in FY24 and by a GO Bond in FY25 – FY28,
  - › 6% Payroll expense escalator in FY24, and 4% thereafter.
- We first evaluated a Status Quo Scenario which assumes no increase in assessment rates for the MSBU or tax rates for the MSTU over the projection period (five years).
- We then determined the annual increases in assessment revenue for the MSBU and tax revenue for the MSTU that will be required to fund all expenses of each fund and maintain year end fund balance at or above the minimum target (25% of expenses) for FY24 – FY28.
- We then developed specific assessment rates by property class for the MSBU and specific tax rates for the MSTU for each year in the projection period (FY24 – FY28).



# Section 2

## MSBU



# MSBU

- For this fund we accomplished the following:
  - › Developed a five-year financial plan.
  - › Determined that in FY24 – FY28 the MSBU revenues are projected to be insufficient to cover all of the MSBU expenses and to maintain the required minimum fund balance in each year of a five-year projection period.
  - › Our baseline assumption for the projections was that all capital projects for the MSBU will be funded in FY24 by MSBU debt and in FY25 – FY28 by a General Obligation (GO) bond issue.
  - › Based upon those assumptions, a summary of results and a graphical summary of projected, expenses, and year end fund balance, is presented on the following slides.

# MSBU

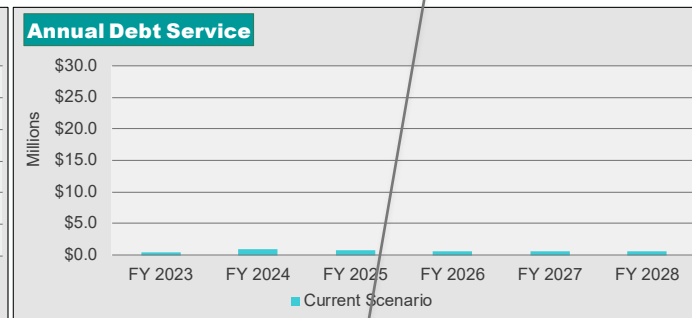
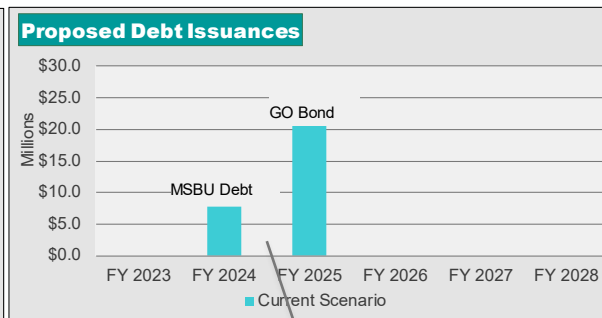
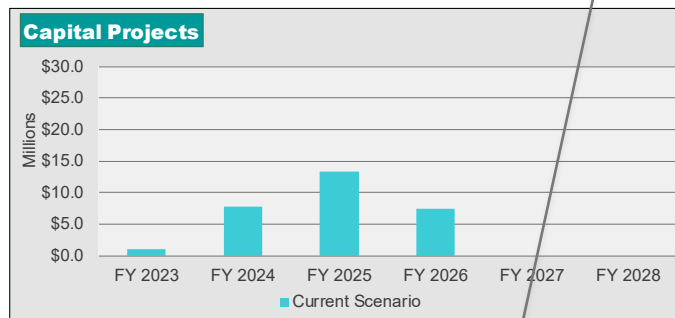
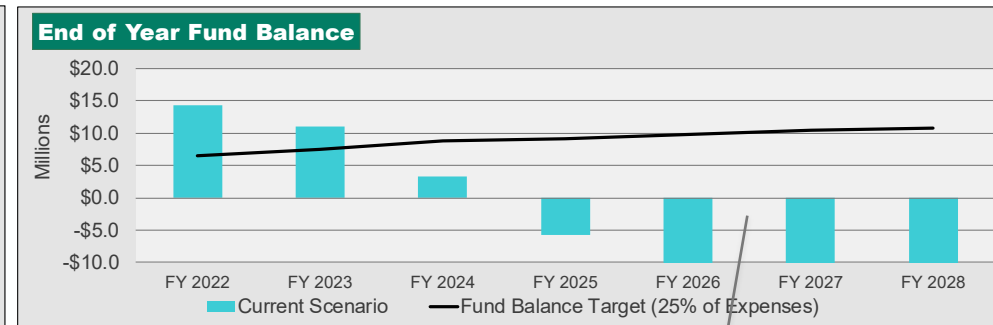
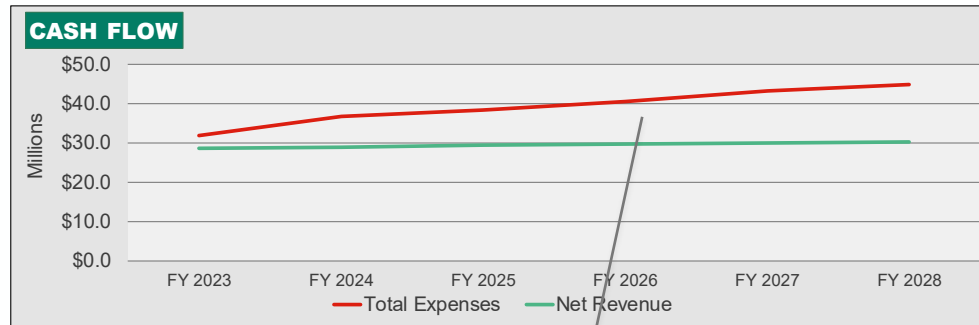
- We first evaluated a Status Quo Scenario which assumes no increase in assessment rates over the projection period (five years).
- We then determined the annual percentage increases in MSBU assessment revenue that will be required to fund all of the MSBUs expenses and maintain year end fund balance at or above the minimum target (25% of expenses).
- These results are presented on the following slides.

# MSBU

Status Quo Scenario: Capital funded by MSBU debt in FY24 and by a GO Bond in FY25 – FY28, 6% Payroll expense escalator in FY24, and 4% thereafter.

Status Quo: No increase in Assessment Rates

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
<b>% Rate Increase</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>
<b>Last Scenario</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>
<b>% New Development Growth</b>		<b>1.4%</b>	<b>1.4%</b>	<b>1.1%</b>	<b>1.1%</b>	<b>1.1%</b>



Blue Shading = Current Scenario  
Green Shading = Current Input

Results in annual cash flow deficits which grow each year

Capital funded with MSBU debt in FY24 and a GO Bond thereafter

Results in a declining fund balance that goes below the minimum target (25% of expenses) in FY24 and goes negative in FY 25

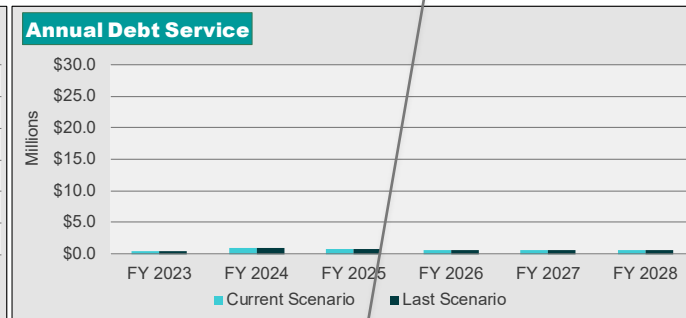
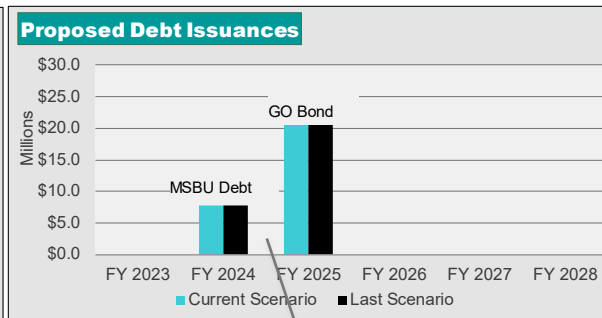
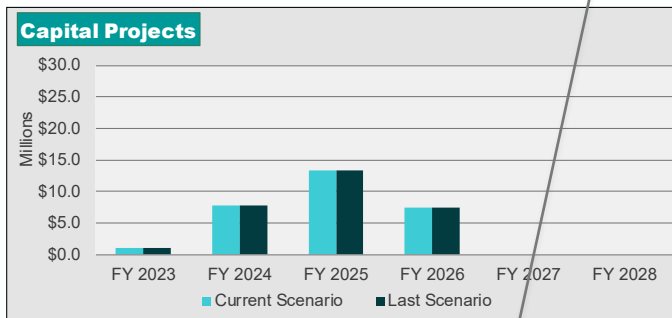
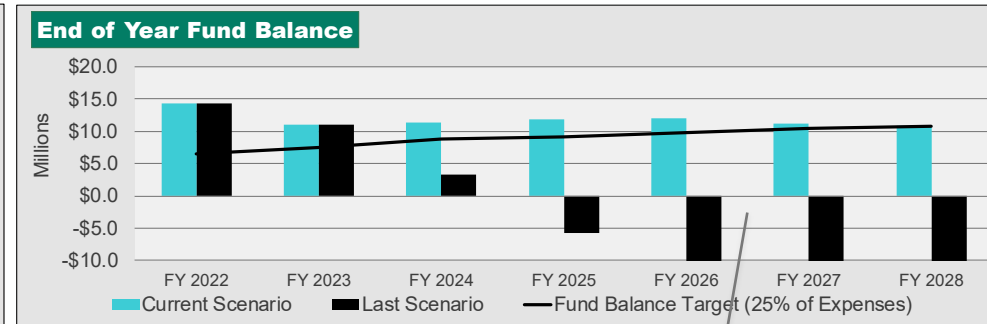
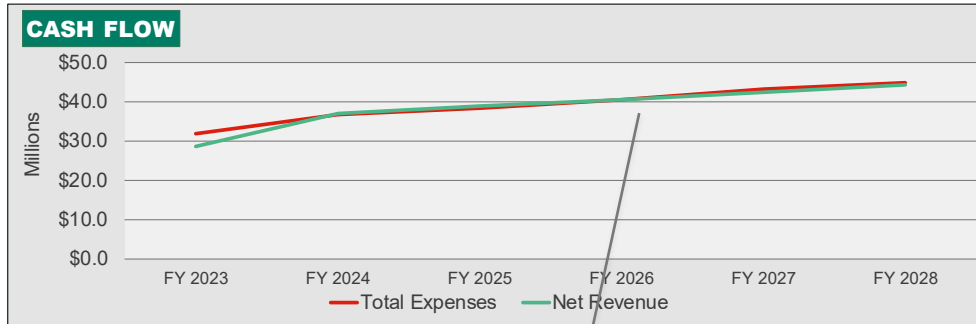
# MSBU

- We then determined a plan of annual increases to the MSBU assessment revenues that will:
  - › Provide sufficient revenues to fund all of the MSBU's expenses, and
  - › Maintain a fund balance at or slightly above the minimum fund balance target
- The results are presented on the following slide.

# MSBU

Solution Scenario: Capital funded by MSBU debt in FY24 and by a GO Bond in FY25 – FY28, 6% Payroll expense escalator in FY24, and 4% thereafter.

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
<b>% Rate Increase</b>	0.0%	31.6%	3.5%	3.5%	3.5%	3.5%
<b>Last Scenario</b>	0.0%	31.6%	3.5%	3.5%	3.5%	3.5%
<b>% New Development Growth</b>		1.4%	1.4%	1.1%	1.1%	1.1%



Blue Shading = Current Scenario  
 Green Shading = Current Input  
 Black Shading = Status Quo Scenario

Results in relatively level annual cash flow

Capital funded with MSBU debt in FY24 and a GO Bond thereafter

Results in fund balance at or greater than the minimum target (25% of expenses) in all years.

# MSBU

- Next, we developed specific assessment rates by property class to recover the revenue requirement of the MSBU,
- This first required determination of proper allocation of the revenue requirement to property class, which was achieved by conducting a calls-for-service analysis.
- The calls for service were weighted by the number of apparatuses that responded to the call, and the analysis examined the most current three years of fire rescue calls and allocated them to property classes as indicated below:

<b>Applicable Property Categories</b>	<b>Weighted Fire/First Responder</b>	<b>Weighted</b>
Vacant Land & Acreage	44	1.285%
Residential Units	2,875	84.332%
Commercial Buildings	258	7.561%
Hospitals & Nursing Homes	90	2.640%
Industrial/Warehouse/Govt	132	3.872%
Agricultural Buildings	-	0.000%
Places of Worship	11	0.311%
<b>Total</b>	<b>3,409</b>	<b>100%</b>

- › The percentages under the column titled “Weighted” were then used to allocate the FY24 assessment revenue requirement to the above property classes.



# MSBU

The allocation of calls for service, when applied to the FY24 MSBU revenue requirement, resulted in the following calculated rates by property class (a closer look at a comparison of current rates to calculated rates by property class is presented on the following slide):

Assessment Property Class	Unit Type	% Call Allocation	FY24 Allocation of Net Revenue Requirement	Number of Units	Current Assessment per Unit	Calculated Assessment per Unit	\$ Change per Unit	% Change per Unit	Number of Parcels	Calculated Revenue
Vacant Land & Acreage	Lot	1.285%	\$ 457,110	23,325	\$ 74.420	\$ 19.597	\$ (54.82)	-73.7%	23,335	\$ 457,100
Residential	Unit	84.332%	\$ 30,006,456	85,828	\$ 224.242	\$ 349.612	\$ 125.37	55.9%	80,733	\$ 30,006,499
Commercial Buildings	Sq. Ft.	7.561%	\$ 2,690,479	14,524,078	\$ 0.238	\$ 0.185	\$ (0.05)	-22.3%	1,364	\$ 2,686,954
Hospitals & Nursing Homes	Sq. Ft.	2.640%	\$ 939,267	785,985	\$ 0.595	\$ 1.195	\$ 0.60	100.8%	21	\$ 939,252
Industrial/Warehouse/Govt	Sq. Ft.	3.872%	\$ 1,377,592	6,848,115	\$ 0.079	\$ 0.201	\$ 0.12	154.4%	347	\$ 1,376,471
Agricultural Buildings	Sq. Ft.	0.000%	\$ -	19,815	\$ 0.011	\$ -	\$ (0.01)	-100.0%	5	\$ -
Places of Worship	Sq. Ft.	0.311%	\$ 110,625	1,527,759	\$ 0.239	\$ 0.072	\$ (0.17)	-69.9%	131	\$ 109,999
			<b>\$ 35,581,529</b>	<b>23,814,905</b>						<b>\$ 35,576,275</b>
Fixed Base/Administration Fee - per Parcel	Lot		<b>\$ 1,889,560</b>	105,795	\$ 28.870	<b>\$ 17.861</b>	\$ (11.01)	\$ (0.38)	105,700	<b>\$ 1,889,605</b>
Commercial Inspection Fee per Non-residential Parcel *	10,000 Sq. Ft.		<b>\$ 435,690</b>	3,090	\$ 137.933	<b>\$ 141.000</b>	\$ 3.07	\$ 0.02	1,776	<b>\$ 435,690</b>
<b>Total Fee Revenues</b>			<b>\$ 37,906,778</b>							

\* \$141.00 for the first 10,000 sq. ft. of bldg space and \$141.00 for each additional 10,000 sq. ft.

It is also recommended that the Base Fee shown above, which is assessed to each parcel and includes administration costs, be adopted as well as the Fire Inspection Fee for non-residential properties as indicated above.

# MSBU

A closer look at a comparison of current rates to calculated rates by property class (it is important to note that these rates by property class include only the apportioned assessment amount, and do not include the base fee or the commercial fire inspection fee. The property class impacts on the following slides include the base fee, the apportioned assessment amount and the commercial fire inspection fee where applicable):

Assessment Property Class	Unit Type	Current Assessment per Unit	Calculated Assessment per Unit	\$ Change per Unit	% Change per Unit
Vacant Land & Acreage	Lot	\$ 74.420	\$ 19.597	\$ (54.82)	-73.7%
Residential	Unit	\$ 224.242	\$ 349.612	\$ 125.37	55.9%
Commercial Buildings	Sq. Ft.	\$ 0.238	\$ 0.185	\$ (0.05)	-22.3%
Hospitals & Nursing Homes	Sq. Ft.	\$ 0.595	\$ 1.195	\$ 0.60	100.8%
Industrial/Warehouse/Govt	Sq. Ft.	\$ 0.079	\$ 0.201	\$ 0.12	154.4%
Agricultural Buildings	Sq. Ft.	\$ 0.011	\$ -	\$ (0.01)	-100.0%
Places of Worship	Sq. Ft.	\$ 0.239	\$ 0.072	\$ (0.17)	-69.9%

Fixed Base/Administration Fee - per Parcel	Lot	\$ 28.870	\$ 17.861	\$ (11.01)	\$ (0.38)
Commercial Inspection Fee per Non-residential Parcel *	10,000 Sq. Ft.	\$ 137.933	\$ 141.000	\$ 3.07	\$ 0.02
Total Fee Revenues					

It is also recommended that the Base Fee shown above, which is assessed to each parcel and includes administration costs, be adopted as well as the Fire Inspection Fee for non-residential properties as indicated above.

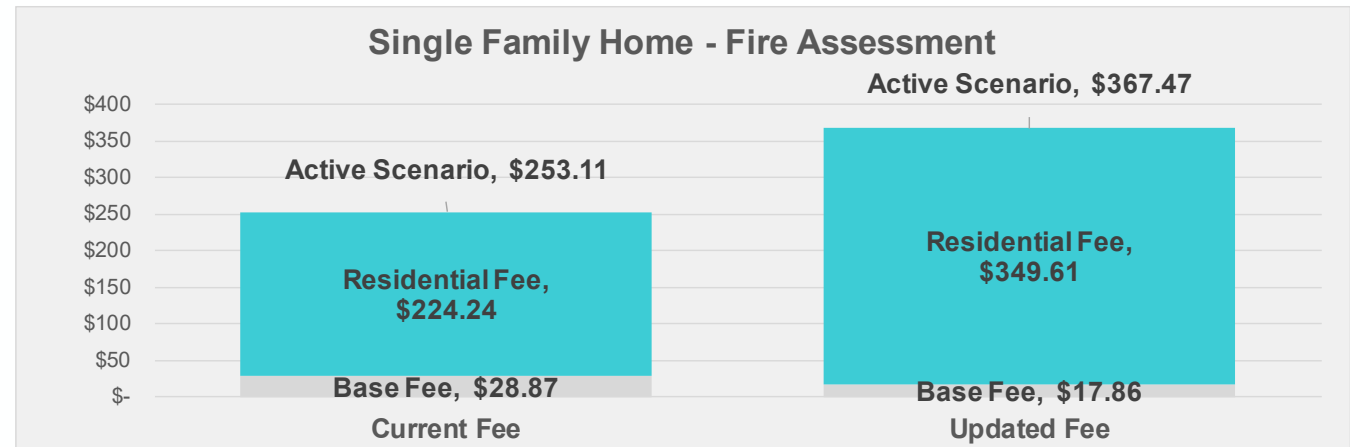
# MSBU

- The following slides present examples of the assessments for each property class based the rates presented in the prior slide.
- For property classes that are charged based upon sq. ft., sample sq. ft. values were assumed as an example.

# MSBU

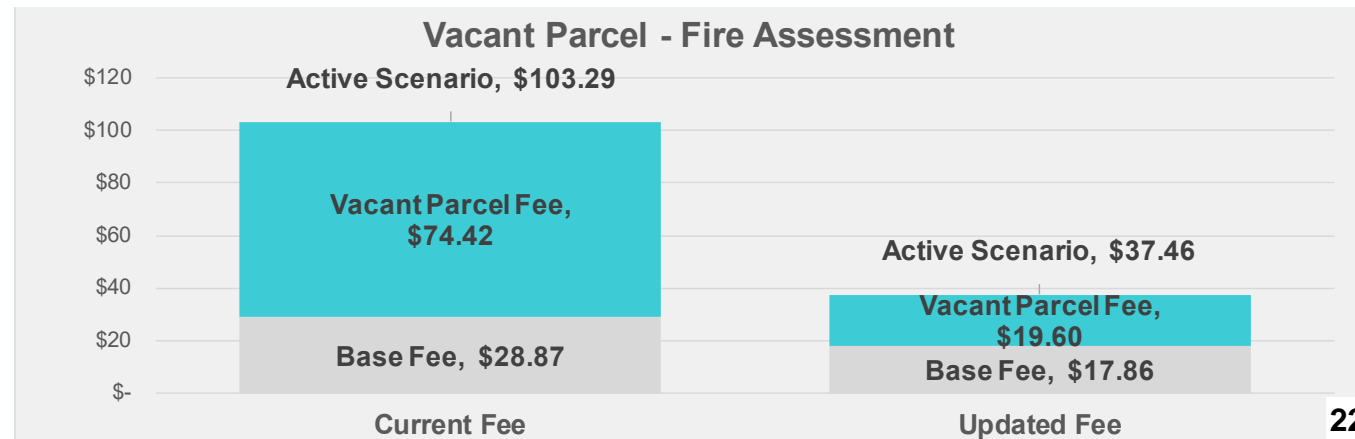
## Single Family Home

	<u>Current Fee</u>	<u>Updated Fee</u>	<u>\$ Change</u>	<u>% Change</u>
Base Fee	\$ 28.87	\$ 17.86	\$ (11.01)	-38.1%
Residential Fee	\$ 224.24	\$ 349.61	\$ 125.37	55.9%
<b>Active Scenario</b>	<b>\$ 253.11</b>	<b>\$ 367.47</b>	<b>\$ 114.36</b>	<b>45.2%</b>



## Vacant Parcel

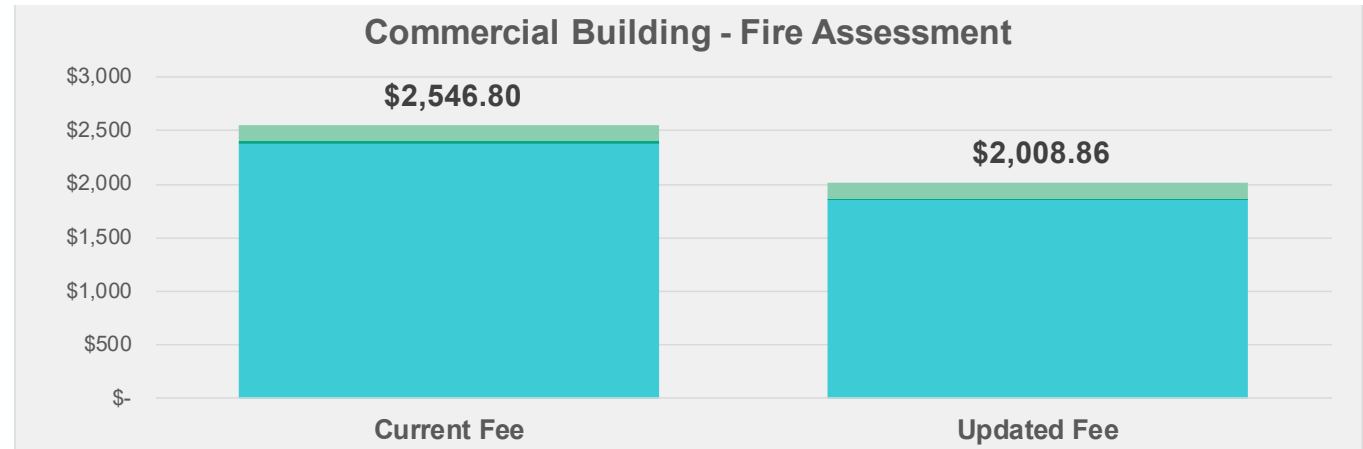
	<u>Current Fee</u>	<u>Updated Fee</u>	<u>\$ Change</u>	<u>% Change</u>
Base Fee	\$ 28.87	\$ 17.86	\$ (11.01)	-38.1%
Vacant Parcel Fee	\$ 74.42	\$ 19.60	\$ (54.82)	-73.7%
<b>Active Scenario</b>	<b>\$ 103.29</b>	<b>\$ 37.46</b>	<b>\$ (65.83)</b>	<b>-63.7%</b>



# MSBU

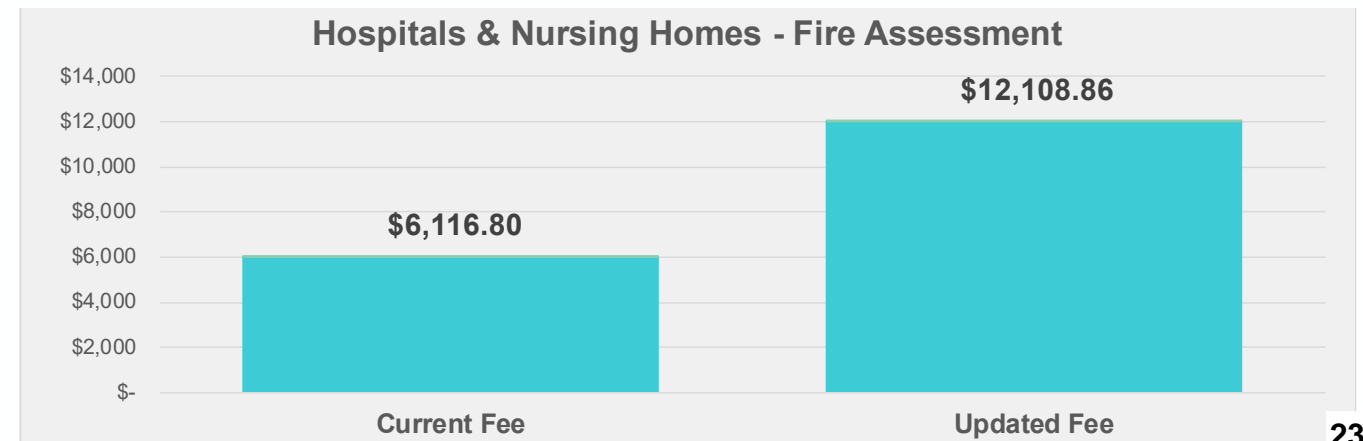
## Commercial Building

	<u>Current Fee</u>	<u>Updated Fee</u>	<u>\$ Change</u>	<u>% Change</u>
Base Fee	\$ 28.87	\$ 17.86	\$ (11.01)	-38.1%
Square Footage Fee	\$ 2,380.00	\$ 1,850.00	\$ (530.00)	-22.3%
Inspection Fee	\$ 137.93	\$ 141.00	\$ 3.07	2.2%
<b>Active Scenario</b>	<b>\$ 2,546.80</b>	<b>\$ 2,008.86</b>	<b>\$ (537.94)</b>	<b>-21.1%</b>
Square Footage:	10,000			



## Hospitals & Nursing Homes

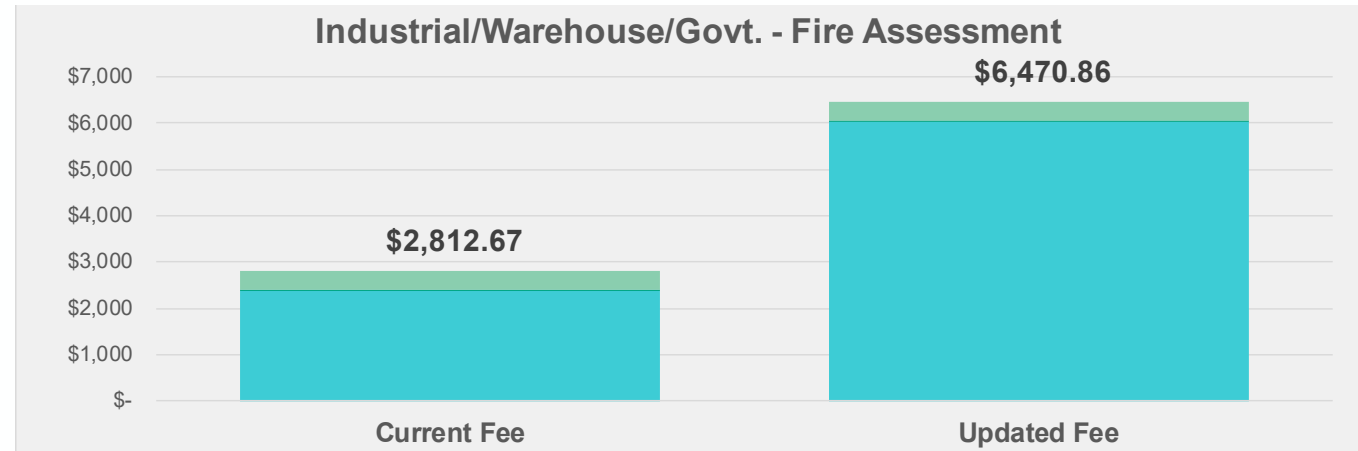
	<u>Current Fee</u>	<u>Updated Fee</u>	<u>\$ Change</u>	<u>% Change</u>
Base Fee	\$ 28.87	\$ 17.86	\$ (11.01)	-38.1%
Square Footage Fee	\$ 5,950.00	\$ 11,950.00	\$ 6,000.00	100.8%
Inspection Fee	\$ 137.93	\$ 141.00	\$ 3.07	2.2%
<b>Active Scenario</b>	<b>\$ 6,116.80</b>	<b>\$ 12,108.86</b>	<b>\$ 5,992.06</b>	<b>98.0%</b>
Square Footage:	10,000			



# MSBU

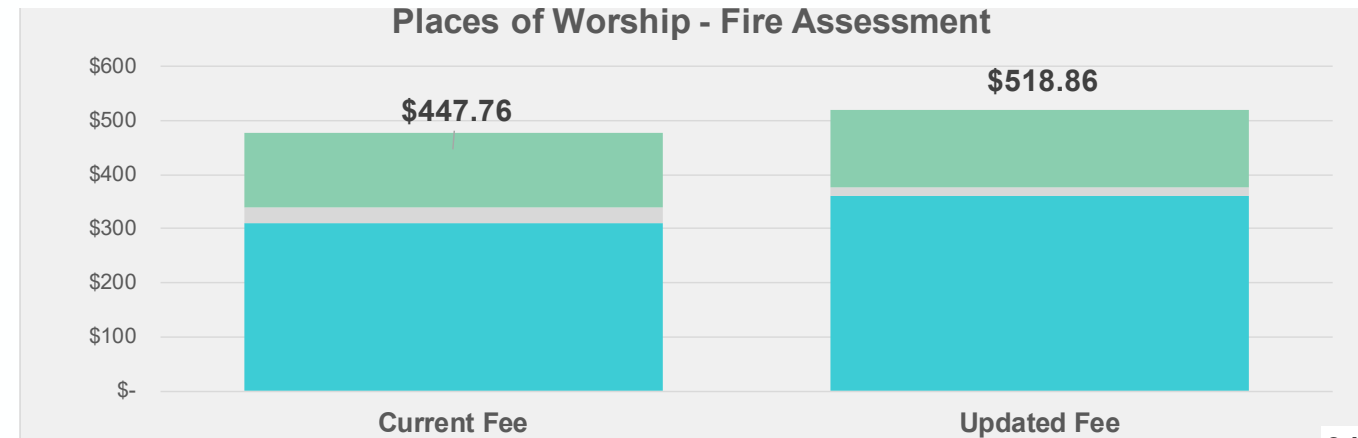
## Industrial/Warehouse/Govt

	<u>Current Fee</u>	<u>Updated Fee</u>	<u>\$ Change</u>	<u>% Change</u>
Base Fee	\$ 28.87	\$ 17.86	\$ (11.01)	-38.1%
Square Footage Fee	\$ 2,370.00	\$ 6,030.00	\$ 3,660.00	154.4%
Inspection Fee	\$ 413.80	\$ 423.00	\$ 9.20	2.2%
<b>Active Scenario</b>	<b>\$ 2,812.67</b>	<b>\$ 6,470.86</b>	<b>\$ 3,658.19</b>	<b>130.1%</b>
Square Footage:	30,000			



## Places of Worship

	<u>Current Fee</u>	<u>Updated Fee</u>	<u>\$ Change</u>	<u>% Change</u>
Base Fee	\$ 28.87	\$ 17.86	\$ (11.01)	-38.1%
Square Footage Fee	\$ 309.83	\$ 360.00	\$ 50.17	16.2%
Inspection Fee	\$ 137.93	\$ 141.00	\$ 3.07	2.2%
<b>Active Scenario</b>	<b>\$ 476.63</b>	<b>\$ 518.86</b>	<b>\$ 42.23</b>	<b>8.9%</b>
Square Footage:	5,000			



# Section 3

## MSTU





# MSTU

- For this fund we accomplished the following:
  - › Developed a five-year financial plan.
- Determined that the MSTU revenues are now sufficient, and no action is required at this time however, in FY25 and FY26 increases in millage are projected to be required
  - › Our baseline assumption for the projections was that all capital projects for the MSTU will be funded in FY24 by MSTU debt and in FY25 – FY28 by a General Obligation (GO) bond issue.
  - › Based upon those assumptions, a summary of results and a graphical summary of projected, expenses, and year end fund balance, is presented on the following slides.

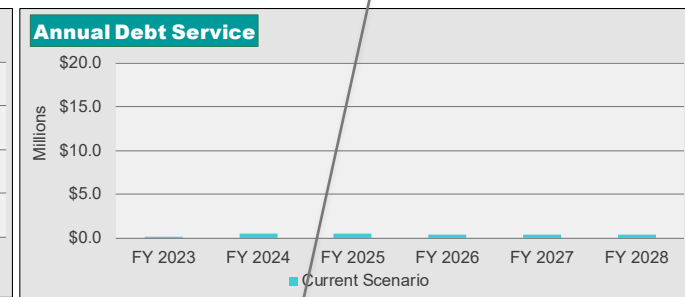
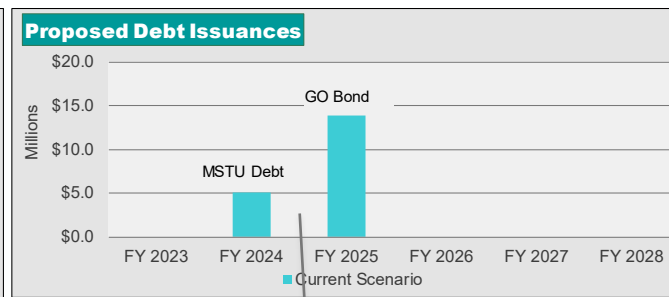
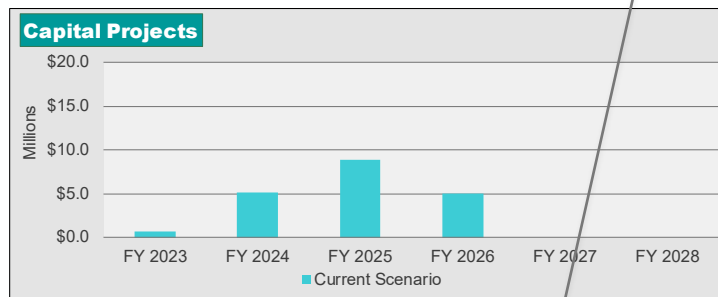
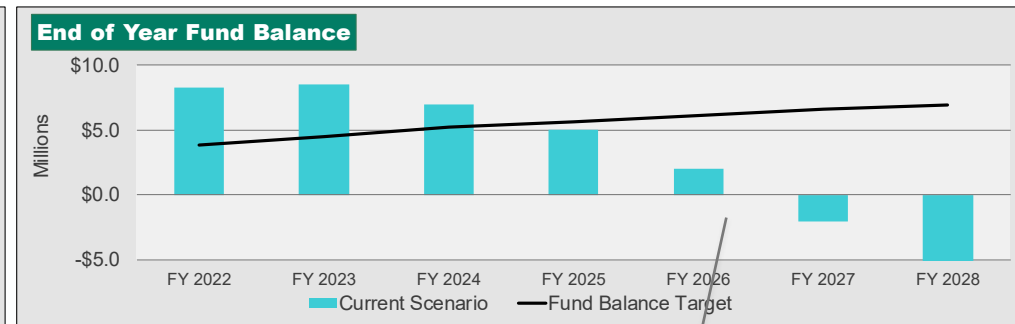
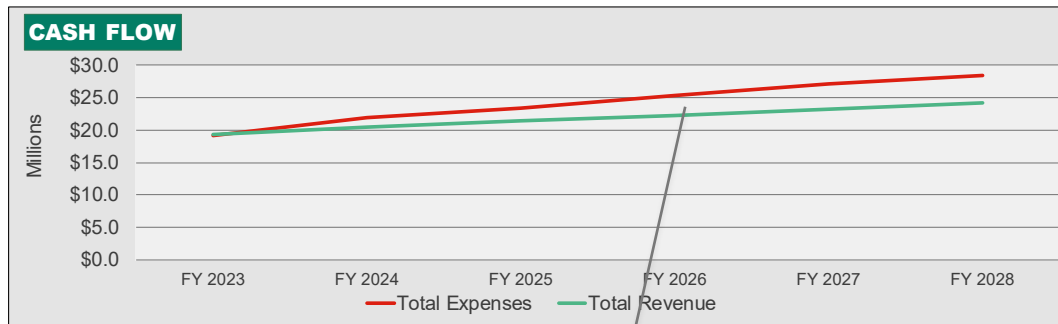
# MSTU

- We first evaluated a Status Quo Scenario which assumes no increase in tax rates over the projection period (five years).
- We then determined the increases in the MSTU Tax Rate in each year that will be required to fund all of the MSTUs expenses and maintain year end fund balance at or above the minimum target (25% of expenses).
- These results are presented on the following slides.

# MSTU

Status Quo Scenario: Capital funded by MSTU debt in FY24 and by a GO Bond in FY25 – FY28, 6% Payroll expense escalator in FY24, and 4% thereafter. Status Quo: No increase in Tax Rates.

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
<b>MSTU Tax Rate</b>	<b>0.9100</b>	<b>0.9100</b>	<b>0.9100</b>	<b>0.9100</b>	<b>0.9100</b>	<b>0.9100</b>
<b>Tax Rate Adjustment</b>	-	-	-	-	-	-
<b>Percent Change</b>	NA	0.00%	0.00%	0.00%	0.00%	0.00%
<b>% Growth - New Development</b>	NA	1.4%	1.4%	1.1%	1.1%	1.1%
<b>% Growth - Existing Values</b>	NA	7.0%	6.0%	5.0%	5.0%	5.0%
<b>% Growth - Combined</b>	NA	8.4%	7.4%	6.1%	6.1%	6.1%



Blue Shading = Current Scenario  
Green Shading = Current Input

Results in annual cash flow deficits which grow each year

Capital funded with MSTU debt in FY24 and a GO Bond thereafter

Results in a declining fund balance that goes below the minimum target (25% of expenses) in FY24 and goes negative in FY 24

# MSTU

- We then determined a plan of annual increases to the MSTU tax rate that will:
  - › Provide sufficient revenues to fund all of the MSTU's expenses, and
  - › Maintain a fund balance at or slightly above the minimum fund balance target
- We determined that the MSTU revenues are now sufficient, and no action is required at this time.
- However, in FY25 and FY26 the following increases in millage are projected to be required:

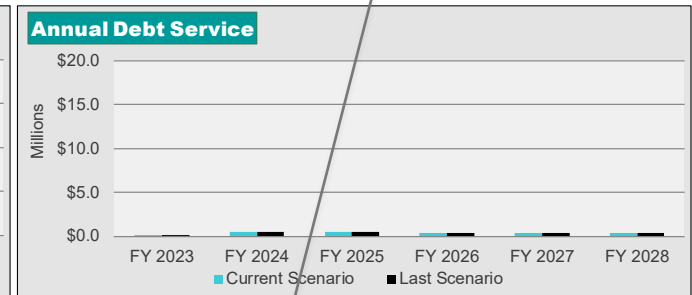
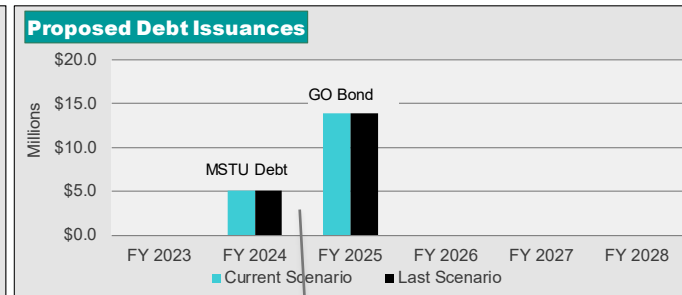
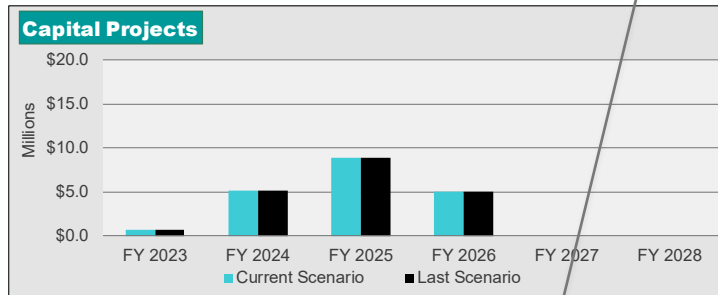
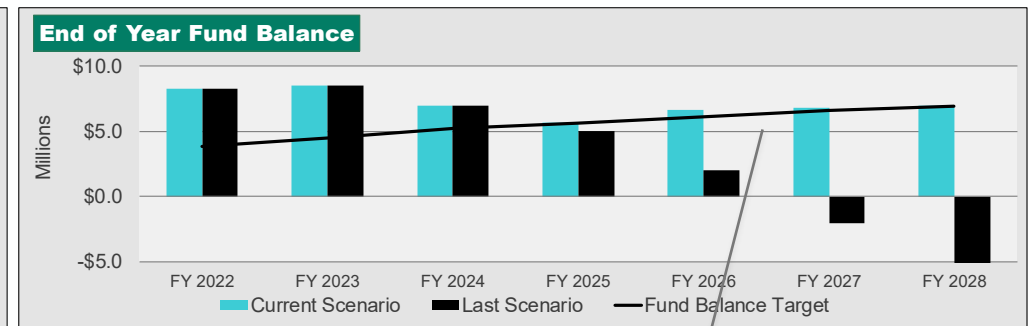
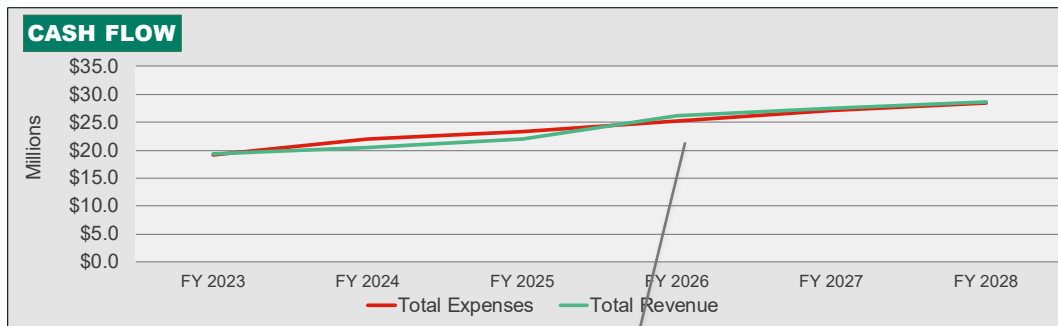
	<u>FY25</u>	<u>FY26</u>
› Current Millage	0.9100	0.9550
› <u>Projected Increase</u>	<u>0.0450</u>	<u>0.2200</u>
› Total Millage	<u>0.9550</u> % Change = 4.95%	1.1750 % Change = 23.04%

- The graphical results are presented on the following slide.

# MSTU

Solution Scenario: Capital funded by MSTU debt in FY24 and by a GO Bond in FY25 – FY28, 6% Payroll expense escalator in FY24, and 4% thereafter.

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
<b>MSTU Tax Rate</b>	<b>0.9100</b>	<b>0.9100</b>	<b>0.9550</b>	<b>1.1750</b>	<b>1.1750</b>	<b>1.1750</b>
<b>Tax Rate Adjustment</b>	-	-	<b>0.0450</b>	<b>0.2200</b>	-	-
<b>Percent Change</b>	NA	<b>0.00%</b>	<b>4.95%</b>	<b>23.04%</b>	<b>0.00%</b>	<b>0.00%</b>
<b>% Growth - New Development</b>	NA	<b>1.4%</b>	<b>1.4%</b>	<b>1.1%</b>	<b>1.1%</b>	<b>1.1%</b>
<b>% Growth - Existing Values</b>	NA	<b>7.0%</b>	<b>6.0%</b>	<b>5.0%</b>	<b>5.0%</b>	<b>5.0%</b>
<b>% Growth - Combined</b>	NA	<b>8.4%</b>	<b>7.4%</b>	<b>6.1%</b>	<b>6.1%</b>	<b>6.1%</b>



Blue Shading = Current Scenario  
 Green Shading = Current Input  
 Black Shading = Status Quo Scenario

Results in relatively level annual cash flow

Capital funded with MSTU debt in FY24 and a GO Bond thereafter

Results in fund balance at or greater than the minimum target (25% of expenses) in all years.

# Section 4

# Specific Service Fees



# Specific Service Fees

- We also evaluated the following specific service charges:
  - › Ambulance Transport Fees
    - Transport
    - Mileage
    - Home Assistance
  - › Commercial Fire Inspection Fee
- A summary of the results is presented on the following slide and detail schedules of the calculation of the fees is presented in the Appendix.



# Specific Service Fees

- Results of the Specific Service Fee calculations are presented below:
  - › Detailed schedules of the calculations are presented in the Appendix.

	<u>Calculated</u> <u>Fee</u>	<u>Fee @ Percent</u> <u>Cost Recovery</u>	<u>Current Fee</u>	<u>% Change</u>	
1	<b><u>Specific Service Fees</u></b>				
2	<b>Percent Cost Recovery</b>		<b>100%</b>		
3	<b>Ambulance Transport Fee -ALS Level 1</b>	<b>\$1,073</b>	<b>\$1,073</b>	<b>\$600</b>	<b>78.8%</b>
4	<b>Ambulance Transport Fee -ALS Level 2</b>	<b>\$1,073</b>	<b>\$1,073</b>	<b>\$600</b>	<b>78.8%</b>
5	<b>Ambulance Transport Fee -BLS</b>	<b>\$1,052</b>	<b>\$1,052</b>	<b>\$545</b>	<b>93.1%</b>
6	<b>Mileage Charge per Mile</b>	<b>\$12.04</b>	<b>\$12.04</b>	<b>\$10.00</b>	<b>20.4%</b>
7	<b>Home Assistance Fee</b>	<b>\$154</b>	<b>\$154</b>	<b>\$75</b>	<b>105.5%</b>
8	<b>Commercial Fire Inspection Fee (1):</b>				
9	<b>First 10,000 sq. Ft.</b>	<b>\$141.13</b>	<b>\$141</b>	<b>\$137.93</b>	<b>2.3%</b>
10	<b>Each additional 10,000 Sq. Ft.</b>	<b>\$141.13</b>	<b>\$141</b>	<b>\$137.93</b>	<b>2.3%</b>

(1) Commercial Fire Inspection Fees are included in the MSBU assessment for all non-residential parcels. All other fees are billed directly.

Q&A



# Thank you!

**Contacts:** Michael Burton – (904) 923-1466 – [mburton@raftelis.com](mailto:mburton@raftelis.com)  
Michelle Galvin – (407) 960-1813 – [mgalvinr@raftelis.com](mailto:mgalvinr@raftelis.com)

# Appendix

# Calculation of Specific Service Fees



**Hernando County  
Ambulance Transport Fee \***

<b>Description</b>	<b>Ambulance Transport Fee - ALS</b>	<b>Ambulance Transport Fee - BLS</b>
1 Municipal Transport Service (MTS) Expenses:		
2   Capital Related (included in mileage rate)	\$0	\$0
3   Salaries	11,168,032	11,168,032
4   Fringe Benefits	6,260,764	6,260,764
5   Administrative and General	5,197,295	5,197,295
6 <b>Total MTS Expense</b>	<b>\$22,626,091</b>	<b>\$22,626,091</b>
7 Administrative and General	\$9,774,193	\$9,774,193
8 Reduction for Fire-Related Costs	(\$3,409,509)	(3,409,509)
9 <b>Total Expenses to be Allocated</b>	<b>\$6,364,683</b>	<b>\$6,364,683</b>
10 Allocation to MTS	64.1%	64.1%
11 Allocation to Non- MTS	NA	NA
12 Non-MTS Allocation	NA	NA
13 MTS Allocation	\$4,080,923	\$4,080,923
14 <b>Annual medical supplies and medicines:</b>	<b>\$0</b>	<b>(\$522,340)</b>
15 <b>Total Applicable Expenses</b>	<b>\$26,707,014</b>	<b>\$26,184,674</b>
16 MTS Transports	24,884	24,884
17 <b>Total Transports</b>	<b>24,884</b>	<b>24,884</b>
18 <b>Average Cost per Transport</b>	<b><u>\$1,073.26</u></b>	<b><u>\$1,052.27</u></b>

19 \* Numbers come from 2022 PEMT Cost Report as provided by the County

**Hernando County  
Transport Mileage Rate Calculation**

	FY23	FY24	
		<u>Escalation Rate</u>	<u>Amount</u>
<b>1 Vehicle and Equipment Costs:</b>			
2 Average Replacement Cost per Transport <sup>1</sup>	\$412,000	8.00%	\$444,960
3 Defibulator	\$37,926	8.00%	\$40,960
4 Chest Compressor	\$17,076	8.00%	\$18,442
5 Stair Chair	\$3,150	8.00%	\$3,402
6 <b>Total Vehicle and Equipment Cost</b>	<b>\$470,152</b>		<b>\$507,764</b>
7 Average Transport Vehicle Life (Years)	6		6
8 Annual Cost per Transport Vehicle	\$78,359		\$84,627
9 Number of Transport Vehicles	20		20
<b>10 Annual Vehicle Capital Cost</b>	<b>\$1,567,173</b>		<b>\$1,692,547</b>
<b>11 Vehicle O&amp;M and Fuel Costs:</b>			
12 Annual Vehicle O&M Cost	\$318,840	8.00%	\$344,347
13 Annual Vehicle Fuel cost	\$333,823	8.00%	\$360,529
<b>14 Total Vehicle O&amp;M and Fuel Cost</b>	<b>\$652,663</b>		<b>\$704,876</b>
<b>15 Total Capital, O&amp;M, and Fuel Costs</b>	<b>\$2,219,836</b>		<b>\$2,397,423</b>
16			
17 Total Annual Transports	24,884		24,884
18 Miles per Transport	8		8
19 Total Annual Transport Miles	199,072		199,072
<b>20 Cost per Transport Mile</b>	<b>\$11.15</b>		<b>\$12.04</b>



## Hernando County Fire Inspection Fee

Description	First 10,000 Sq. Ft.						Every Additional 10,000 Sq. Ft. Above the First 1,000 Sq. Ft.																	
	Inspection						Inspection																	
			Minutes per		Inspections				Minutes per		Inspections		Minutes		Hours per Inspection									
			Each	(Assume 6		per	Hours per Inspection				Each	(Assume 6		per	Every Additional									
Minutes	Occupants	Occupant	per Day)	Inspection	0 - 10,000 Sq. Ft	Minutes	Occupants	Occupant	per Day)	Inspection	10,000 Sq. Ft													
<b>1 Personnel Expenses:</b>																								
<b>2 Fire Inspector - Salary Including Fringe Benefits</b>													\$46.61	\$46.61										
<b>3 Total Number of Employees Required</b>													1.00	1.00										
<b>4 Number of Hours Worked By Each Employee</b>																								
<b>5 Paperwork to Prepare Day</b>													90	N/A	N/A	6	15	0.25	0	N/A	N/A	0	0	0.00
<b>6 Drive to First Site</b>													30	N/A	N/A	6	5	0.08	0	N/A	N/A	0	0	0.00
<b>7 Drive to Subsequent Sites (5 Sites at 10 min per site)</b>													10	N/A	N/A	1	10	0.17	0	N/A	N/A	0	0	0.00
<b>8 Inspect 0-10,000 Sq Ft Building [1]</b>													N/A	2.5	15.0	1	38	0.63	N/A	2.5	15.0	1	38	0.63
<b>9 Drive Back to Office</b>													30	N/A	N/A	6	5	0.08	0	N/A	N/A	0	0	0.00
<b>10 Data Entry and Document Uploads</b>													120	N/A	N/A	6	20	0.33	0	N/A	N/A	0	0	0.00
<b>11 Number of Hours Worked By Each Inspector</b>													1.54								0.63			
<b>12 Total Hours Worked all Inspectors</b>													1.54								0.63			
<b>13 Total Fire Inspector Cost per Inspection</b>													<b>\$71.86</b>								<b>\$29.13</b>			
<b>14 Admin - Salary Including Fringe Benefits</b>													\$42.01								\$42.01			
<b>15 Total Number of Employees Required</b>													1.00								0.00			
<b>16 Annual Hours</b>													2,080								0			
<b>17 Annual Cost</b>													\$87,373								\$0			
<b>18 Number of Annual Inspections</b>													4,700								4,700			
<b>19 Total Admin Cost per Inspection</b>													<b>\$18.59</b>								<b>\$0.00</b>			
<b>20 Total Direct Personnel Costs per Inspection</b>													<b>\$90.45</b>								<b>\$29.13</b>			
<b>21 Supervisory Overhead</b>													10.0%								10.0%			
<b>22 Total Direct Personnel Costs Including Overhead per Inspection</b>													<b>\$99.50</b>								<b>\$32.05</b>			
<b>23 Materials and Supplies</b>																								
<b>24 Placeholder</b>													0.00								0.00			
<b>25 Total Materials and Supplies</b>													\$0.00								\$0.00			
<b>26 Materials Overhead</b>													\$0.00								\$0.00			
<b>27 Total Materials/Supplies &amp; Overhead</b>													<b>\$0.00</b>								<b>\$0.00</b>			
<b>28 Vehicle Expense</b>																								
<b>29 Number of Vehicles per Employee</b>													1.00								1.00			
<b>30 Vehicle Hours per Inspection</b>													1.54								0.63			
<b>31 Total Vehicle Hours per Inspection</b>													1.54								0.63			
<b>32 Rate per Hour</b>													\$11.75								\$11.75			
<b>33 Total Vehicle Expense</b>													<b>\$18.11</b>								<b>\$7.34</b>			
<b>34 Subtotal</b>													<b>\$117.61</b>								<b>\$39.39</b>			
<b>35 Departmental Overhead @ 20%</b>													23.52								7.88			
<b>36 Calculated Cost</b>													<b>\$141.13</b>								<b>\$47.27</b>			
<b>Fee per Property Appraiser's Limitation</b>													<b>\$141.13</b>								<b>\$141.13</b>			
<b>37 Existing Charge</b>													\$137.93								\$137.93			
<b>38 Percentage Change</b>													2.32%								2.32%			

39 Footnotes:

[1] Building inspections with multiple occupants are estimated to makeup 60% of all inspections. To properly account for extra time required when multiple occupants are within one building, an occupancy factor was determined. Fire inspection staff pulled together a sample of multiple occupant buildings to get an average number of occupants per 10,000 square feet. A range of building sizes between 13,000 sf and 200,000 sf was used for the sample. It was found, on average, a building with multiple occupants had 2.5 occupants per 10,000 square feet.



# End of Presentation





**Board of County Commissioners  
Workshop**

Meeting: 05/02/2023  
Department: Utilities  
Prepared By: Alys Brockway  
Initiator: Gordon Onderdonk  
DOC ID: 12182  
Legal Request Number:  
Bid/Contract Number:

**AGENDA ITEM**

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**TITLE**

Workshop Regarding Potential Revisions to Ordinance No. 2013-34 Expanding Restrictions on Fertilizer Application

**BRIEF OVERVIEW**

Weeki Wachee Springs and River are currently impaired due to excessive nitrates. In a response to the 2016 Florida Aquifer and Springs Protection Act, The Florida Department of Environmental Protection (FDEP) implemented a Basin Management Action Plan (BMAP), which identified a maximum load of nitrates that the Weeki Wachee Spring could sustain environmentally, with a 20-year goal to reduce the nitrates below this mandated level.

As identified in the BMAP, fertilizers are one of the largest contributing sources of nitrate pollution in the Weeki Wachee system. In an effort to improve water quality and reduce the amount of nitrates affecting Weeki Wachee Springs, a revision to the current fertilizer ordinance is being considered. This workshop will cover several items within the fertilizer ordinance, including adding seasonal restrictions where nitrogen fertilizer may not be applied, inclusion of slow-release nitrogen requirement, and broadening of fertilizer exclusion zones from water bodies.

**FINANCIAL IMPACT**

N/A

**LEGAL NOTE**

N/A

**RECOMMENDATION**

The Board review the items presented, and provide direction to staff regarding any proposed revisions to Hernando County's Fertilizer Ordinance.

**REVIEW PROCESS**

Gordon Onderdonk	Approved	04/24/2023	4:09 PM
Scott Herring	Approved	04/25/2023	7:40 AM
Jeffrey Rogers	Approved	04/27/2023	9:30 AM
Heidi Kurppe	Approved	04/27/2023	12:51 PM
Colleen Conko	Approved	04/27/2023	1:13 PM



# Hernando County

# FERTILIZER

# MANAGEMENT ORDINANCE



**Questions or Comments? Reach out at [fertilizer@hernandocounty.us](mailto:fertilizer@hernandocounty.us)**

**Goal of this Ordinance:** Prevent nutrient pollution from nitrogen and phosphorus in fertilizer from entering natural water bodies.

**Where the ordinance applies:** All landscape areas, including plants, trees and turfgrass.

**Who the ordinance applies to:** All fertilizer applicators within unincorporated Hernando County.

**Compliance Calendar Dates:**

**December 1 through March 31 and June 1 through September 30**

- Fertilizer with nitrogen and phosphorus are prohibited from application.

**April 1 through May 31 and October 1 through November 30**

- If using nitrogen fertilizer, at least 50% N must be slow release.
- Apply zero phosphorus unless a soil test shows a deficiency.

**All Year**

- Do not apply fertilizer containing nitrogen before seeding or sodding a site, and for the first 30 days after seeding or sodding.
- Broadcast spreaders must be equipped with deflector shield.
- Keep spilled fertilizer, grass clippings, and lawn debris off pavement and away from storm drain inlets. Collect and manage for proper disposal or reapply landscape.

**Application Setbacks:**

- Broaden the exclusion zone to protect water bodies.

**Training and Licensing Requirements**

- Show proof that GI-BMP course was completed.
- Commercial applicators are required to possess a valid FDACS Limited Commercial Fertilizer Applicator Certificate.



## Ashley Hofecker

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**From:** County Ordinances <CountyOrdinances@dos.myflorida.com>  
**Sent:** Thursday, November 14, 2013 1:43 PM  
**To:** Ashley Hofecker  
**Cc:** County Ordinances  
**Subject:** RE: Hernando County Ordinances  
**Attachments:** Hernando 2013-34 - Ack.pdf

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**From:** Ashley Hofecker [<mailto:ahofecker@co.hernando.fl.us>]  
**Sent:** Thursday, November 14, 2013 11:40 AM  
**To:** County Ordinances  
**Subject:** Hernando County Ordinances

Sender Full Name:	Ashley Hofecker
Sender Phone number:	352-754-4716
County Name:	Hernando
Ordinance Number:	2013-34

Ashley Hofecker

Deputy Clerk  
Hernando County Clerk of Circuit Court  
20 N. Main Street, Room 131  
Brooksville, FL 34601  
(352) 754-4716  
[ahofecker@hernandocounty.us](mailto:ahofecker@hernandocounty.us)  
[www.hernandoclerk.com](http://www.hernandoclerk.com)

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## FLORIDA DEPARTMENT *of* STATE

**RICK SCOTT**  
Governor

**KEN DETZNER**  
Secretary of State

November 14, 2013

Honorable Don Barbee Jr.  
Clerk of the Circuit Court  
Hernando County  
Room 131, 20 North Main Street  
Brooksville, Florida 34601-2800

Attention: Ms. Ashley Hofecker, Deputy Clerk

Dear Mr. Barbee:

Pursuant to the provisions of Section 125.66, Florida Statutes, this will acknowledge receipt of your electronic copy of Hernando County Ordinance No. 2013-34, which was filed in this office on November 14, 2013.

Sincerely,

Liz Cloud  
Program Administrator

LC/elr

Enclosure



ORDINANCE NO. 2013-34

1  
2  
3 AN ORDINANCE AMENDING CHAPTER 28, CREATING  
4 ARTICLE XII (FERTILIZER APPLICATION ORDINANCE),  
5 REGULATING THE USE OF FERTILIZERS CONTAINING  
6 NITROGEN AND/OR PHOSPHORUS WITHIN HERNANDO  
7 COUNTY; PROVIDING FOR APPLICABILITY; PROVIDING FOR  
8 SEVERABILITY; PROVIDING FOR CONFLICTING PROVISIONS;  
9 PROVIDING FOR FILING WITH THE DEPARTMENT OF STATE;  
10 PROVIDING FOR INCLUSION IN THE CODE AND PROVIDING  
11 FOR AN EFFECTIVE DATE.

12  
13 **WHEREAS**, Hernando County is located on the "springs coast" in the heart of the  
14 largest concentration of springs in the world and is home to at least 14 springs in  
15 three major springs groups that contain geologic karst, cave and underground  
16 streams systems found nowhere else in the world; and

17  
18 **WHEREAS**, Hernando County contains one of only 33 first-magnitude Florida  
19 Springs, the Weeki Wachee Main Spring, a highly valued resource due to its  
20 widely recognized environmental, historical and cultural importance to Hernando  
21 County and to the State of Florida; and

22  
23 **WHEREAS**, Hernando County is concerned with the current and future impacts  
24 of loading of excess nutrients, especially nitrogen and phosphorous compounds,  
25 into these relatively low-nutrient adapted springs, rivers and coastal waters; and

26  
27 **WHEREAS**, Studies conducted by the Southwest Florida Water Management  
28 District, the Florida Department of Environmental Protection and others have  
29 documented that the level of nitrogen in the water of Hernando County springs  
30 (primarily Weeki Wachee) has nearly doubled since the 1920s; and

31  
32 **WHEREAS**, The Weeki Wachee Spring and the Weeki Wachee Spring Run have  
33 been listed as "verified impaired due to nutrients" by the Florida Department of  
34 Environmental Protection (FDEP); and

35  
36 **WHEREAS**, Studies conducted by the Southwest Florida Water Management  
37 District, the Florida Department of Environmental Protection and others have  
38 documented the primary contributor of nitrogen to the Weeki Wachee Spring is  
39 likely applied landscape fertilizers (an inorganic nitrogen component) with onsite  
40 sewage disposal systems (an organic nitrogen component) contributing a lesser  
41 amount; and

42  
43 **WHEREAS**, Hernando County has determined that lands within its boundaries  
44 are located within the springshed recharge areas of springs groups located both  
45 within and outside the County and further that lands within its boundaries are



DRAFT DOCUMENT: Note: additions/deletions = language proposed for addition/deletion to existing Code provisions.

1 also located within the watersheds of the Withlacoochee River and coastal  
2 estuaries and waters of the Gulf of Mexico; and  
3

4 **WHEREAS**, Hernando County has determined that the use of fertilizers on lands  
5 within its boundaries creates a risk contributing to adverse effects on surface and  
6 ground waters that eventually impact springs, estuaries and riverine systems;  
7 and  
8

9 **WHEREAS**, Florida Statutes 403.9337 requires local governments "located  
10 within the watershed of a water body or water segment that is listed as impaired  
11 by nutrients...shall, at a minimum, adopt the department's [model ordinance]."  
12

13 **NOW THEREFORE BE IT ORDAINED BY THE BOARD OF COUNTY**  
14 **COMMISSIONERS OF HERNANDO COUNTY, FLORIDA:**  
15

16 **SECTION I. AMENDING CHAPTER 28, CREATING ARTICLE XII**  
17 **(FERTILIZER APPLICATION ORDINANCE).**  
18

19 Chapter 28, Article XII (Fertilizer Application Ordinance) is created to read as  
20 follows, with underlined language added and strike through language deleted:  
21

22 **Article XII. Regulation of the Use of Fertilizers Containing Nitrogen**  
23 **and/or Phosphorus.**  
24

25 **Sec. 28-505. Purpose and Intent.**  
26

27 This Ordinance regulates the proper use of fertilizers by any applicator;  
28 requires proper training of Commercial and Institutional Fertilizer  
29 Applicators; establishes training and licensing requirements; establishes a  
30 Prohibited Application Period; specifies allowable fertilizer application  
31 rates and methods, fertilizer-free zones, low maintenance zones, and  
32 exemptions. The Ordinance requires the use of Best Management  
33 Practices which provide specific management guidelines to minimize  
34 negative secondary and cumulative environmental effects associated with  
35 the misuse of fertilizers. These secondary and cumulative effects have  
36 been observed primarily in and on Hernando County's springs, and also in  
37 and on Hernando County's natural and constructed stormwater  
38 conveyances, rivers, creeks, canals, lakes, estuaries and other water  
39 bodies. Collectively, these water bodies are an asset critical to the  
40 environmental, recreational, cultural and economic well-being of Hernando  
41 County residents and the health of the public. Overgrowth of algae and  
42 vegetation also hinders the effectiveness of flood attenuation provided by  
43 natural and constructed stormwater conveyances. Regulation of nutrients,  
44 including both phosphorus and nitrogen contained in fertilizer, will help  
45 improve and maintain water and habitat quality.



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**Sec. 28-506. Definitions.**

Application or Apply: The actual physical treatment of turf or landscape plants with fertilizer for the purpose of supplying chemical components for healthy growth.

Applicator: Any Person who applies fertilizer on turf and/or landscape plants.

Best Management Practices (BMPs) or Green Industry Best Management Practices (GI-BMPs): Turf and landscape practices or combination of practices based on research, field-testing, and expert review, determined to be the most effective and practicable on-location means, including economic and technological considerations, for improving water quality, conserving water supplies and protecting natural resources. Best Management Practices for Florida fertilizer application that are especially applicable to Hernando County are those developed and promulgated by the University of Florida Institute of Food and Agricultural Sciences (IFAS) and the Florida Department of Environmental Protection (FDEP) including, but not limited to, the most current version of FDEP's "Florida-Friendly Best Management Practices for Protection of Water Resources by the Green Industries," and, "Best Management Practices for the Enhancement of Environmental Quality on Florida Golf Courses."

Bank: In reference to a waterbody, the slope immediately bordering the normal expanse of water in the applicable body. The top-of-bank is the top of the slope.

Commercial Fertilizer Applicator, or Commercial Fertilizer Application: Any person, except as provided in 482.1562(9), Florida Statutes, who applies fertilizer, or the act of applying fertilizer, for payment or other consideration to property not owned by the person or firm applying the fertilizer or the employer of the applicator.

Fertilize, Fertilizing or Fertilization: Means the application of fertilizer.

Fertilizer: Any substance that contains one or more recognized plant nutrients and promotes plant growth, controls soil acidity or alkalinity, provides other soil enrichment, or, provides other corrective measures to the soil.



1           Fertilizer Free Zone: An area a minimum of ten (10) feet wide  
2 adjacent to any pond, stream, watercourse, lake, canal, or wetland as  
3 measured from the top-of-bank or the face of the seawall.

4  
5           Heavy Rain: Rainfall events that have occurred, are occurring, or  
6 are forecast as likely to occur within the ensuing 24 hours with a total  
7 accumulation of 2 inches or more for any portion of Hernando County.

8  
9           Institutional Applicator. Any person private, non-commercial, or a  
10 Commercial Fertilizer Applicator who applies fertilizer for the purpose of  
11 maintaining turf and/or landscape plants to areas other than individual  
12 private residential properties. Institutional Applicators shall include, but  
13 shall not be limited to, owners, managers or employees of public lands,  
14 governmental entities, utilities, schools, parks and golf courses, religious  
15 institutions, hospitals, community organizations, industrial or business  
16 sites and any residential areas maintained in condominium and/or  
17 common ownership. Institutional Applicators that are also Commercial  
18 Fertilizer Applicators must meet the applicable requirements of this  
19 ordinance for Commercial Fertilizer Applicators.

20  
21           Landscape Plant: Any native or exotic tree, shrub, or groundcover  
22 (excluding turf).

23  
24           Limited Certification for Urban Landscape Commercial Fertilizer  
25 Application: A certification issued by the Florida Department of Agriculture  
26 and Consumer Services to a commercial applicator that certifies  
27 successful completion of required training and testing in University of  
28 Florida IFAS Green Industry Best Management Practices (GI-BMPs)  
29 pursuant to the requirements of Florida Statutes 482.1562.

30  
31           Prohibited Application Period: The time period during which  
32 application of fertilizers containing nitrogen and/or phosphorus to turf  
33 and/or landscape plants is prohibited.

34  
35           Saturated Soil: A soil in which the voids are filled with water.  
36 Saturation does not require flow. For the purposes of this ordinance, soils  
37 shall be considered saturated if standing water is present or the pressure  
38 of a person standing on the soil causes the release of free water.

39  
40           Slow or Controlled Release Fertilizer. Nitrogen in a form which  
41 delays its availability for plant uptake and use after application, or which  
42 extends its availability to the plant significantly longer than a referenced  
43 "rapidly available nutrient fertilizer" such as ammonium nitrate or urea.  
44



1           Turf, Sod, or Lawn: A piece of grass-covered soil held together by  
2           the roots of the grass.

3  
4           Urban Landscape: Pervious areas on residential, commercial,  
5           industrial, institutional, highway rights-of-way, or other nonagricultural  
6           lands that are planted or maintained with turf or landscape plants. For the  
7           purposes of this section, agriculture has the same meaning as in section  
8           570.02, Florida Statutes.

9  
10           **Sec. 28-507. Applicability.**

11  
12           This Ordinance shall be applicable to and shall regulate any and all  
13           applicators of fertilizer and areas of application of fertilizer to urban  
14           landscapes within the unincorporated area of Hernando County, unless  
15           such applicator or application is specifically exempted by the terms of this  
16           Ordinance from the regulatory provisions of this Ordinance. This  
17           Ordinance shall be prospective only, and shall not impair any existing  
18           contracts.

19  
20           **Sec. 28-508. Timing of Fertilizer Application.**

21  
22           (a) No applicator shall apply fertilizers containing nitrogen and/or  
23           phosphorus to turf and/or landscape plants during any of the  
24           following Prohibited Application Periods:

25           (1) during the time period when a Flood Watch or Warning, or a  
26           Tropical Storm Watch or Warning, or a Hurricane Watch or  
27           Warning issued by the National Weather Service is in effect  
28           for any portion of Hernando County, or, the time period  
29           during which heavy rain is occurring, imminent, or forecast  
30           as likely by the National Weather Service for any portion of  
31           Hernando County.

32           (2) prior to seeding or sodding a site, and for the first 30 days  
33           after seeding or sodding, except when hydro-seeding is used  
34           to accomplish immediate erosion control measures of a  
35           temporary or permanent nature on slopes (e.g., highway  
36           slopes, stormwater structure slopes, wildfire slopes, etc).  
37           Planting of sprigs in turf is exempted from this requirement.

38           (b) During the season of plant dormancy from January 1 through  
39           March 31, only applicators trained, certified and registered under  
40           the terms of this Ordinance shall apply fertilizer containing nitrogen  
41           or phosphorus to turf. Only slow or controlled release fertilizer shall  
42           be applied during this period of time. The applicator shall maintain,  
43           and provide if requested, onsite verification of the slow or controlled  
44           release product being used during the application.



1           **Sec. 28-509. Fertilizer Free Zones.**  
2

3           Fertilizer shall not be applied within ten (10) feet of the top of bank of any  
4           spring, pond, stream, watercourse, lake, canal, or wetland as defined by  
5           the Florida Department of Environmental Protection (Chapter 62-340,  
6           Florida Administrative Code) or from the top of a seawall unless a  
7           deflector shield, drop spreader, or liquid applicator with a visible and  
8           sharply defined edge, is used, in which case a minimum of 3 feet shall be  
9           maintained. Newly planted turf and/or landscape plants may be fertilized  
10           in this zone once beginning 30 days after planting if needed to allow the  
11           plants to become well established. Caution shall be used to prevent direct  
12           deposition of nutrients into the water. No mowed or cut vegetative  
13           material may be deposited or left remaining in this zone or deposited in  
14           the water. Care should be taken to prevent the over-spray of aquatic  
15           weed products in this zone. If more stringent Hernando County Code  
16           regulations apply, including those contained in Chapter 23, Article VI,  
17           Riverine Protection and other applicable sections, this provision does not  
18           relieve the requirement to adhere to the more stringent regulations.  
19

20           **Sec. 28-510. Fertilizer Content and Application Rates.**  
21

- 22           (a) Fertilizers applied to turf within Hernando County shall be applied in  
23           accordance with requirements and directions provided by Rule 5E-  
24           1.003, Florida Administrative Code, *Labels or Tags*, as amended  
25           from time to time.  
26           (b) Fertilizer containing nitrogen or phosphorus shall not be applied to  
27           turf or landscape plants except as provided in (a) above for turf, or  
28           in University of Florida IFAS recommendations for landscape  
29           plants, vegetable gardens, and fruit trees and shrubs, unless a soil  
30           or tissue deficiency has been verified by an approved test.  
31

32           **Sec. 28-511. Application Practices.**  
33

- 34           (a) Spreader deflector shields are required when fertilizing via rotary  
35           (broadcast) spreaders. Deflectors must be positioned such that fertilizer  
36           granules are deflected away from all impervious surfaces, Fertilizer Free  
37           Zones and water bodies, including wetlands.  
38           (b) Fertilizer shall not be applied, spilled, or otherwise deposited on any  
39           impervious surfaces.  
40           (c) Any fertilizer applied, spilled, or deposited, either intentionally or  
41           accidentally, on any impervious surface shall be immediately and  
42           completely removed to the greatest extent practicable.  
43           (d) Fertilizer released on an impervious surface must be immediately  
44           contained and either legally applied to turf or any other legal site, or  
45           returned to the original or other appropriate container.



DRAFT DOCUMENT: Note: additions/deletions = language proposed for addition/deletion to existing Code provisions.

1 (e) In no case shall fertilizer be washed, swept, or blown off impervious  
2 surfaces into stormwater drains, ditches, conveyances, or water bodies.

3 (f) Fertilizer shall not be applied to saturated soils or in saturated soil  
4 conditions.

5  
6 **Sec. 28-512. Management of Vegetative Matter.**

7  
8 In no case shall grass clippings, vegetative material, and/or vegetative  
9 debris be washed, swept, or blown off into stormwater drains, ditches,  
10 conveyances, water bodies, wetlands, sidewalks or roadways. Any  
11 material that is accidentally so deposited shall be immediately removed to  
12 the maximum extent practical.

13  
14 **Sec. 28-513. Exemptions.**

15  
16 The provisions set forth above in this Ordinance shall not apply to:

17 (a) bona fide farm operations as defined in the Florida Right to Farm  
18 Act, Section 823.14 Florida Statutes;

19 (b) other properties not subject to or covered under the Florida Right to  
20 Farm Act that have pastures used for grazing livestock;

21 (c) any lands used for bona fide scientific research, including, but not  
22 limited to, research on the effects of fertilizer use on urban  
23 stormwater, water quality, agronomics, or horticulture.

24  
25 **Sec. 28-514. Applicator Training.**

26  
27 (a) All commercial applicators of fertilizer within Hernando County shall  
28 abide by and successfully complete the University of Florida IFAS  
29 "Florida-Friendly Best Management Practices for Protection of  
30 Water Resources by the Green Industries," training program or an  
31 approved equivalent. Successful completion shall be evidenced by  
32 issuance of a training certificate and a Limited Certification for  
33 Urban Landscape Commercial Fertilizer Application to the  
34 applicator.

35 (b) All institutional applicators of fertilizer within Hernando County shall  
36 ensure that at least one employee has completed the training  
37 program specified in subsection (a) of this Section and received a  
38 training certificate. The employee or employees shall complete the  
39 training for the purpose of ensuring that fertilizer application  
40 practices are planned and carried out in compliance with this  
41 ordinance and with Green Industry Best Management Practices.

42 (c) Private, non-commercial, non-institutional applicators are  
43 encouraged to follow the recommendations of the University of  
44 Florida IFAS to assist them in complying with the fertilizer  
45 application standards of this Ordinance.



1  
2 **Sec. 28-515. Applicator Licensing and Certification.**  
3

- 4 (a) By January 1, 2014, all Commercial Fertilizer Applicators within  
5 Hernando County shall have and carry in their possession at all  
6 times when applying fertilizer, a Limited Certification for Urban  
7 Landscape Commercial Fertilizer Application or other approved  
8 evidence of certification by the Florida Department of Agriculture  
9 and Consumer Services as a commercial applicator per 5E-  
10 14.117(18) Florida Administrative Code.  
11 (b) By January 1, 2014, all Institutional Applicators shall be supervised  
12 on site during the application of fertilizer by at least one Institutional  
13 Applicator who shall have and carry in their possession at all times  
14 when applying fertilizer, a University of Florida IFAS "Florida-  
15 Friendly Best Management Practices for Protection of Water  
16 Resources by the Green Industries" training certificate.  
17

18 **Sec. 28-516. Registration of Commercial Fertilizer Applicators and**  
19 **Institutional Applicators.**  
20

- 21 (a) By June 1, 2014, all Commercial Fertilizer Applicators shall register  
22 with Hernando County prior to performing professional landscaping  
23 in unincorporated Hernando County. Commercial Fertilizer  
24 Applicators must present an active "Limited Certification for Urban  
25 Landscape Commercial Fertilizer Application" to successfully  
26 complete registration. Commercial Fertilizer Applicators shall  
27 renew their Hernando County registration concurrent with renewal  
28 of their "Limited Certification for Urban Landscape Commercial  
29 Fertilizer Application."  
30 (b) By June 1, 2014, all Institutional Applicators of fertilizer shall  
31 register with Hernando County prior to applying fertilizer in  
32 unincorporated Hernando County. Any Institutional Applicators  
33 seeking to register and remain registered with the County shall  
34 have at least one (1) employee who holds an active University of  
35 Florida IFAS "Florida-Friendly Best Management Practices for  
36 Protection of Water Resources by the Green Industries" training  
37 certificate. Institutional Applicators shall renew their registration  
38 every four years with presentation of an updated training certificate  
39 showing the completion of Continuing Education Units (CEUs) that  
40 meet state standards.  
41 (c) Hernando County may assess initial and annual registration fees  
42 sufficient to cover the cost of administration of the registration  
43 program.  
44  
45



1       **Sec. 28-517. Violations.**  
2

- 3       (a)    Any person applying fertilizers in violation of any stipulation or  
4            performance standard contained herein shall be subject to the  
5            remedies and/or penalties as provided for in this article.  
6

7       **Sec. 28-518. Enforcement; Remedies; and Penalties.**  
8

- 9       (a)    Personnel of the County in the performance of their assigned duties  
10           or functions to enforce the provisions of this Article may enter upon  
11           any property during normal work hours of the County and make  
12           examination to determine code compliance that do not occasion  
13           damage or injury to private property or otherwise impair private  
14           property or personal rights.

15       (b)    Remedies:

- 16           (1)    Personnel of the County in the performance of their assigned  
17                duties or functions may issue notice to all violators of this  
18                fertilizer ordinance and shall order that such violations  
19                cease.

- 20           (2)    If necessary, the governing body, or any appropriate official  
21                of the governing body, may institute appropriate action in a  
22                court of competent jurisdiction to enjoin any violation of the  
23                county's land development regulations and/or this zoning  
24                ordinance.

- 25           (3)    In addition, any violation hereunder may be prosecuted as  
26                described in Chapter 2, Article III of the Hernando County  
27                Code of Ordinances, as amended or renumbered from time  
28                to time.

29       (c)    Penalties: Any violation of the County's fertilizer ordinance may be  
30            prosecuted as follows:

- 31           (1)    Whenever in the County's fertilizer ordinance any act is  
32                prohibited, or is made or declared to be unlawful, or an  
33                offense; or whenever in such ordinance the doing of any act  
34                is required, or the failure to do any act is declared to be  
35                unlawful, then such act or failure to act shall be deemed a  
36                misdemeanor for the purposes of this fertilizer ordinance.

- 37           (2)    Each violation hereunder shall be deemed a separate  
38                offense and a separate offense shall be deemed committed  
39                on each day during or on which a violation occurs or  
40                continues. In assessing fines hereunder, the special master  
41                may consider whether the violator has been convicted of or  
42                pleaded guilty to prior violations of the County's fertilizer  
43                ordinance.

- 44           (3)    If any of the fines or penalties enumerated herein are  
45                invalidated by a court of competent jurisdiction such



1                   invalidation shall be severable from the rest of the provisions  
2                   in this fertilizer ordinance and such invalidity shall not extend  
3                   to any other provision of this fertilizer ordinance including the  
4                   statutory penalty for violation of County ordinances.

5                   (4) If any of the fines or penalties enumerated herein are  
6                   invalidated, then the statutory penalty for violation of County  
7                   ordinances shall be deemed to automatically apply to any  
8                   violation of this fertilizer ordinance and in any event the court  
9                   shall have the absolute right and discretion to impose the  
10                   fines or penalties, or both, provided for in the statutory  
11                   provision for violation of County ordinances instead of the  
12                   fines and penalties provided for herein.

13  
14                   **Secs. 28-519 – 28-599. Reserved.**

15  
16                   **SECTION II. SEVERABILITY.** It is declared to be the intent of the Board of  
17 County Commissioners that if any section, subsection, clause, sentence, phrase,  
18 or provision of this Ordinance is for any reason held unconstitutional or invalid,  
19 the invalidity thereof shall not affect the validity of the remaining portions of this  
20 ordinance.

21  
22                   **SECTION III. CONFLICTING PROVISIONS.** Special acts of the Florida  
23 Legislature applicable only to unincorporated areas of Hernando County,  
24 Hernando County ordinances, County resolutions, or parts thereof, in conflict with  
25 this Ordinance are hereby superseded by this Ordinance to the extent of such  
26 conflict except for ordinances concerning either adoption or amendment of the  
27 Comprehensive Plan, pursuant to Chapter 163, Part II, Florida Statutes.

28  
29                   **SECTION IV. FILING WITH THE DEPARTMENT OF STATE.** The clerk shall be  
30 and is hereby directed forthwith to send a certified copy of this Ordinance to the  
31 Bureau of Administrative Code, Department of State, R.A. Gray Bldg., Room  
32 101, 500 S. Bronough Street, Tallahassee, FL 32399-0250.

33  
34                   **SECTION V. INCLUSION IN CODE.** It is the intention of the Board of County  
35 Commissioners of Hernando County, Florida, and it is hereby provided, that the  
36 provisions of this Ordinance shall become and be made a part of the Code of  
37 Ordinances of Hernando County, Florida. To this end, any section or subsection  
38 of this Ordinance may be renumbered or re-lettered to accomplish such intention,  
39 and the word "ordinance" may be changed to "section," "article," or other  
40 appropriate designation. Section II through Section VI shall not be codified.

41  
42                   **SECTION VI. EFFECTIVE DATE.** This Ordinance shall take effect immediately  
43 upon filing with the Department of State.  
44  
45

DRAFT DOCUMENT: Note: additions/deletions = language proposed for addition/deletion to existing Code provisions.

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**DULY PASSED AND ADOPTED IN REGULAR SESSION THIS** 12<sup>th</sup>  
**DAY OF** November, 2013

**BOARD OF COUNTY COMMISSIONERS  
HERNANDO COUNTY, FLORIDA**

Attest: Sherry L. Crum, Deputy By: David D. Russell, Jr.  
DONALD C. BARBEE JR. DAVID D. RUSSELL, JR.  
CLERK CHAIRMAN



**Approved as to Form and  
Legal Sufficiency**

By: [Signature]  
County Attorney's Office

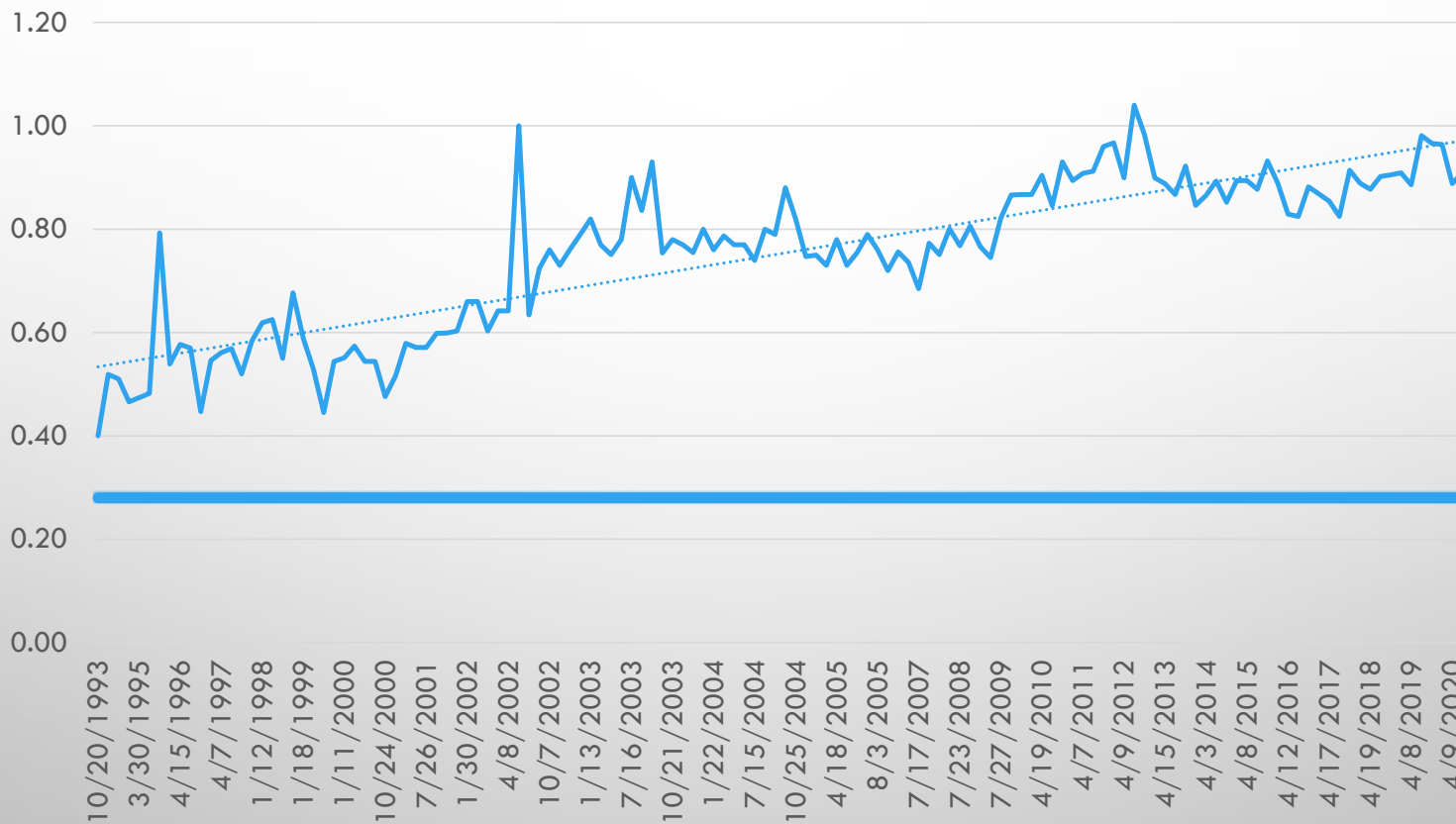


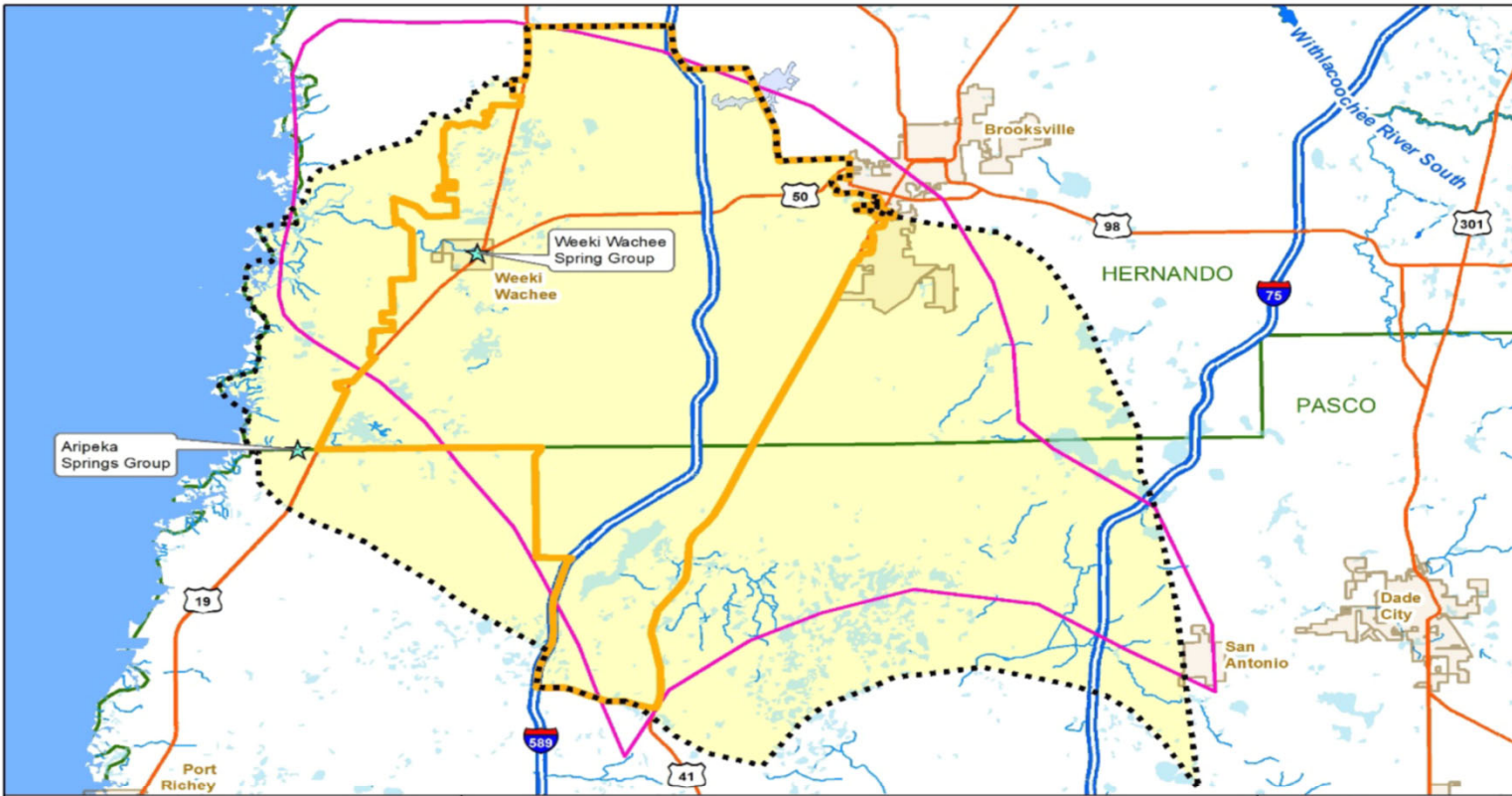
# HERNANDO COUNTY WATER QUALITY INITIATIVES



UTILITIES DEPARTMENT

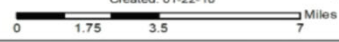
Weeki Wachee Nitrate Levels (mg/L)





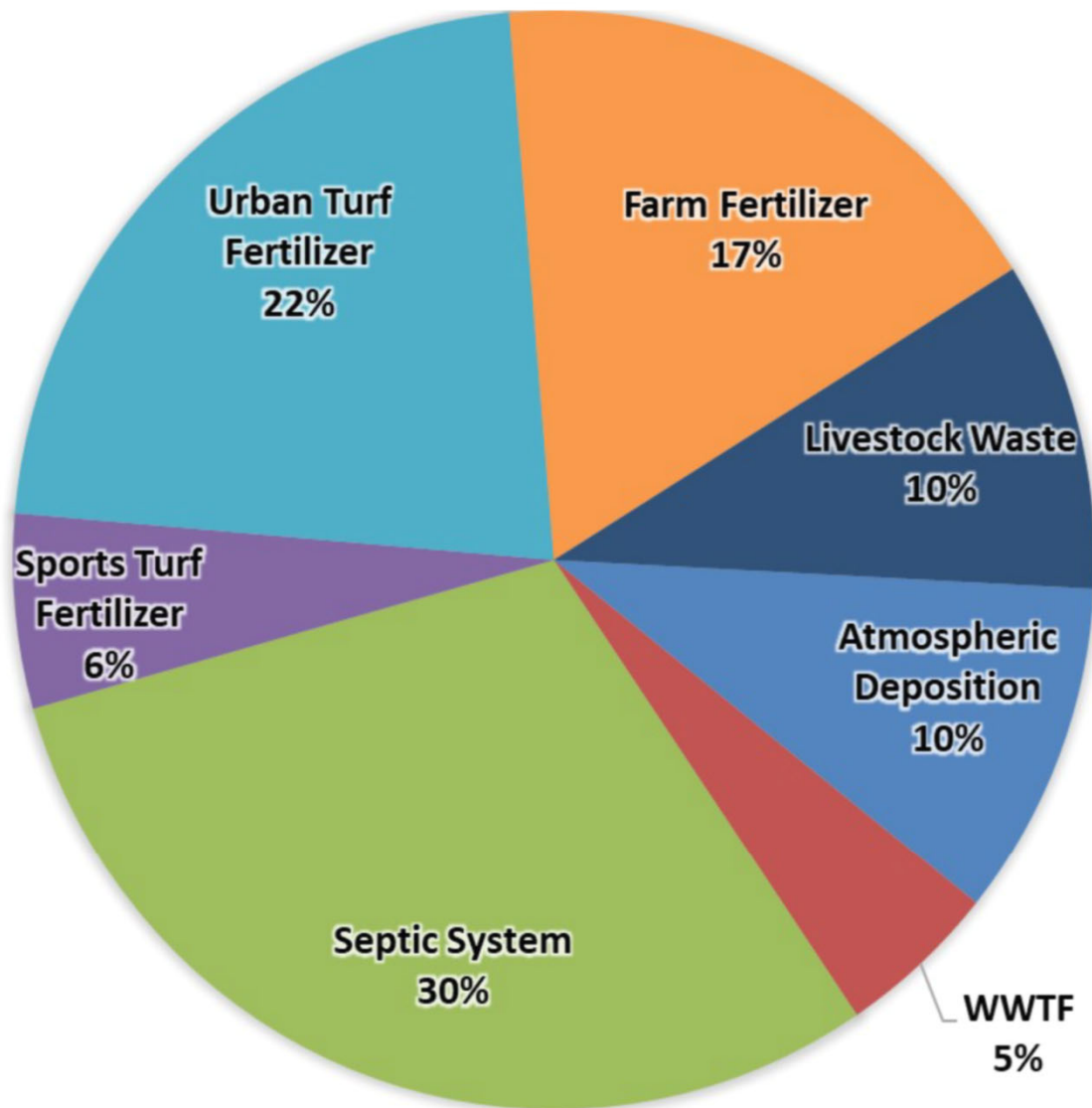
### Weeki Wachee BMAP

Map prepared by Division of Environmental Assessment and Restoration.  
 This map is not for legal decision making purposes.  
 MAP ID: Weeki\_Wachee\_Overview.mxd  
 [BMAP] Terry.Hansen@dep.state.fl.us (850) 245-8561  
 [GIS] Andrew.Morris@dep.state.fl.us  
 Created: 01-22-18



- |  |                  |  |                         |
|--|------------------|--|-------------------------|
|  | Springs          |  | PFA                     |
|  | Springsheds      |  | Cities                  |
|  | Stream River     |  | Interstate              |
|  | Waterbodies      |  | Primary and US Highways |
|  | Florida Counties |  | Weeki Wachee BMAP       |







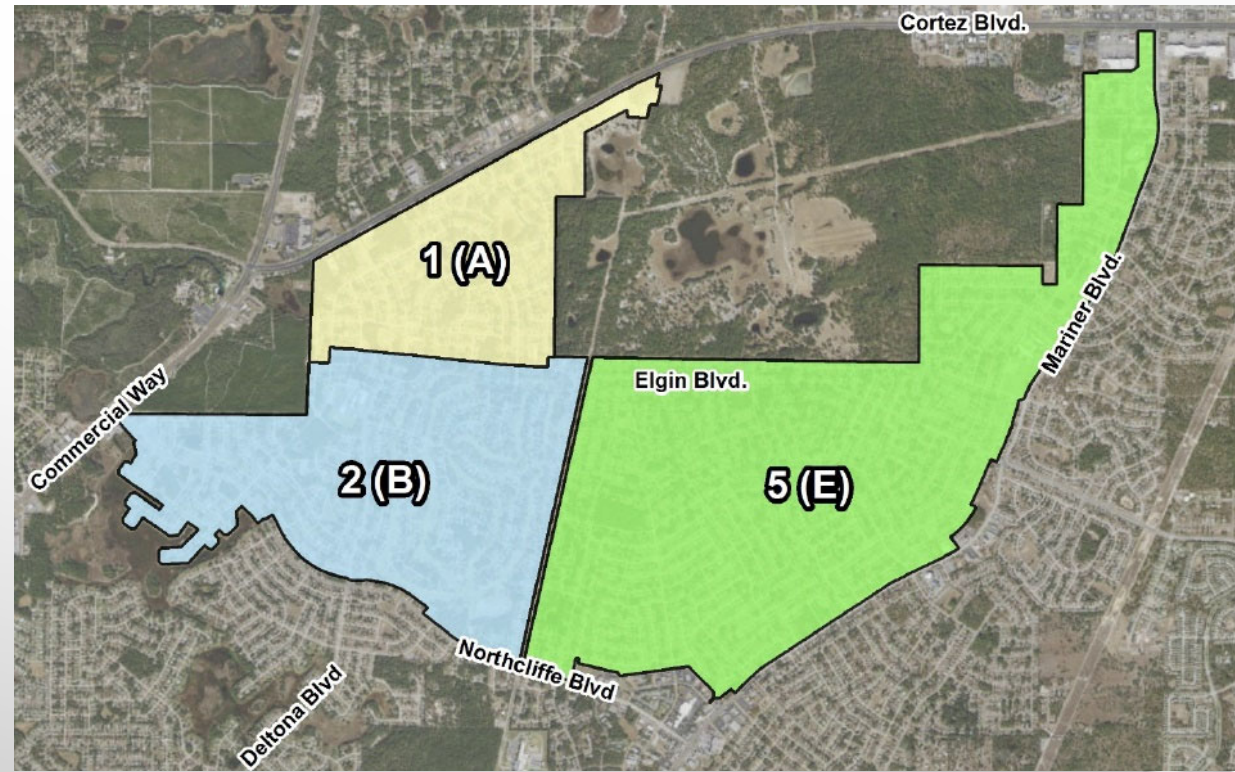
**Table 6. Summary of potential credits for the Weeki Wachee BMAP to meet the TMDLs**

Note: No reductions are estimated for atmospheric deposition sources

Nitrogen Source	Credits to Load to Groundwater (lb-N/yr)	Description
OSTDS	195,668 - 285,977	Credits are based on lots of all sizes inside the PFA being remediated by either enhancing onsite system or connecting to sewer. An estimated 27,538 lb-N/yr have been provided as OSTDS remediation projects which may be on these lots or in the larger BMAP area. Any projects outside the PFA would add additional reductions to the estimates listed.
UTF	12,590	DEP approved credits (6%) for public education activities as well as credits identified for stakeholder stormwater projects.
STF	5,342	6% BMP credit for sports fields and 10% BMP credit for golf courses on STF load to groundwater, assuming 100% BMP implementation on golf courses and sports fields.
FF	24,590	15% BMP credit on FF load to groundwater, assuming 100% owner-implemented BMPs on all fertilized lands.
LW	9,135	10% BMP credit on LW load to groundwater, assuming 100% owner-implemented BMPs at all livestock facilities.
WWTF	33,058	Achieved by BMAP WWTF policy if BMAP-wide (achieving 3 or 6 mg/L).
WWTF - Decommission	46,171	Hernando County Spring Hill WRF Decommissioning Project (Project HC-20).
WWTF – Biological Application	53,272	Pasco County Crews Lake Restoration Project (Project PC-02).
Total Credits from BMAP Policies and Submitted Projects	379,826 - 470,134	
Advanced Ag BMPs	5,032 – 27,954	Pursue additional practices over next 20 years.
<b>Total Credits</b>	<b>384,857 - 498,088</b>	<b>Estimated load reduction to meet TMDL is 195,200 lb-N/yr.</b>

# COUNTY RESEARCH AND PLANNING

- 2016 Septic to Sewer Conversion Study
- 2020 Feasibility Analysis (funded by FDEP)









**SEPTIC TO SEWER CONVERSION PROJECT**  
**District A - Phases 1 and 2**

**DISTRICT A  
PHASE 2**

**DISTRICT A  
PHASE 1**

**PHASE 1 – 510+/- LOTS \$18.75 MILLION**  
**PHASE 2 – 390+/- LOTS \$15.70 MILLION**

**85% GRANT FUNDED**



**Initial Open House Feb. 4<sup>th</sup>, 2020  
Sand Hill Scout Reservation**

**2<sup>nd</sup> Open House Aug. 10<sup>th</sup>, 2022  
HCUD Admin. Building**

Hernando County Utilities Department  
15365 Cortez Boulevard  
Brooksville, FL 34613

**YOU ARE INVITED:  
Public Input  
Open House  
February 4, 2020**

**Septic System  
Remediation Plans  
to Help  
Protect  
Our Springs**

**When: Tuesday, February 4, 2020**  
**Time: ANY TIME between 4pm and 7pm**  
**Where: Sandhill Scout Reservation  
11210 Cortez Blvd., Brooksville**

**Focus Area for Remediation**

In July of 2016 the Governor signed into law the **Florida Springs and Aquifer Protection Act** to protect 33 Florida springs threatened by excessive nitrate pollution. As a result, Hernando County has been tasked to find ways to comply with the requirements associated with the 2016 legislation. The **State mandated Onsite Sewage Treatment & Disposal System (OSTDS) Remediation Plan** requirement for Weeki Wachee Springs is the driving force for Septic to Sewer Conversion plans. Information to be presented:

- How the Florida Springs and Aquifer Protection Act affects Hernando County and you
- What has been done so far
- What this means for residents of Hernando County
- Future plans for Hernando County and its residents

*We look forward to your input and feedback regarding the information provided at this important Open House event.*

We feel it's important for our residents to be well-informed of potential upcoming changes.  
Please visit: [www.hernandocounty.us/S2S](http://www.hernandocounty.us/S2S) prior to the meeting  
for helpful background information pertaining to the state mandates and how our County can move forward.  
**We look forward to meeting with you, Hernando County Utilities Department and JonesEdmunds Staff**

Hernando County Utilities Department  
15365 Cortez Boulevard  
Brooksville, FL 34613

**Hernando County's  
Septic to Sewer Conversion Project  
Update!**

**Help Protect Our Springs**

In order to comply with the **state mandated** Basin Management Action Plan for Weeki Wachee Springs, Hernando County has been working on converting existing septic systems to centralized sewer. On February 4, 2020, the County hosted an open house to provide information about the plans for converting septic systems to centralized sewer for a portion of the area shown below (District A). At that time, the project was contingent on receiving state funding to assist with the infrastructure costs. The County was recently notified that the project will receive state grant funding for a portion of District A. Local government and state grant funds will be used to pay for approximately 90% of the project costs. It is estimated that the remaining 10% of the costs will come from property assessments which can be paid over a period of 10 years.

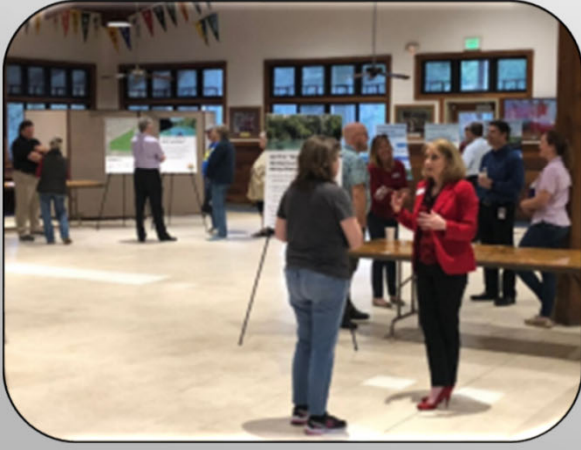
The Hernando County Utilities Department (HCUD) will host an Open House on **Wednesday, August 10, 2022, from 2:00 to 6:30 p.m.** County staff will be available between these hours to provide additional information and answer questions about the project. The Open House will be held on the first floor of the HCUD administration building, located at 15365 Cortez Blvd., Brooksville, Florida 34601.

The Hernando Board of County Commissioners will consider the state funding agreements and the creation of a Municipal Services Benefit Unit (MSBU) at the regular Board Meeting scheduled for **Tuesday, August 23, 2022, beginning at 9:00 a.m.** in the Commission Chambers, Room 160 20 North Main Street, Brooksville, Florida 34601.

In accordance with the Americans With Disabilities Act, persons with disabilities needing a special accommodation to participate in these proceedings should contact Colleen Conks, Hernando County Administration, 15470 Flight Path Drive, Brooksville, Florida 34604, (352)754-4002. If hearing impaired, please call 1-800-676-3777.

We feel it's important for our residents to be well informed regarding the progress of this project. The FAQ section on our website has been updated. Please go here to find more information: [www.hernandocounty.us/S2S](http://www.hernandocounty.us/S2S)

**PUBLIC OUTREACH**



**HERNANDO COUNTY, FL**

SERVICES • DEPARTMENTS • OUR COUNTY • I WANT TO... Search...

Utilities

Solid Waste and Recycling  
Water & Sewer  
Conservation  
Property Debt Search Request  
High Bill Inquiries  
Customer Service Forms  
Residential Service Application  
Termination of Service  
Invoice Cloud  
Utilities FAQ

Septic to Sewer Conversion Overview

**STAY INFORMED!**  
Remediation Project Updates

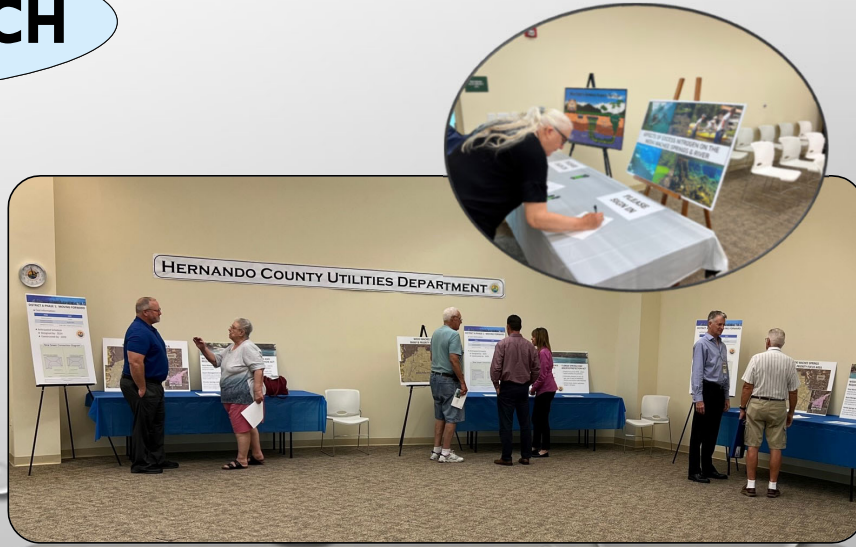
Download: Downloads, 3.2 • Utilities

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In July of 2016, the Governor signed into law the **Florida Springs and Aquifer Protection Act** to protect 33 Florida springs threatened by excessive nitrate pollution. As a result, Hernando County has been tasked to find ways to comply with the requirements associated with the 2016 legislation.

The state mandated **Onsite Sewage Treatment & Disposal System Remediation Plan** requirement for Weeki Wachee Springs is the driving force for the Septic to Sewer Conversion plan.

Hernando County conducted a Septic to Sewer Conversion Study in 2016 to determine which septic systems impact Weeki Wachee Springs. The study also prioritized the areas based on level of impact. The first focus area (District A) chosen is immediately adjacent to the springs and has the most immediate impact on it.





## DISTRICT A - PHASE 1

- Cost Information:

ITEM	COST
Estimated Cost per lot	\$36,000
Anticipated Grant Offsets and County Contribution	\$32,400 (90%)
Estimated Cost to Resident	\$3,600 (10%) *Includes \$3,544 connection fee*

- Anticipated Schedule

- Designed by: 2024
- Constructed by: 2026





# Septic Upgrade Incentive Program

- Up to \$7,500 Reimbursement to Upgrade Existing Septic Systems to Enhanced Systems for Homes within the Priority Focus Area
- Approximately \$3.9 Million in Grant Funding
- Program Opened on February 22, 2023
- Currently 244 Applications Received



# WATER RECLAMATION FACILITY (WRF) IMPROVEMENTS



- Spring Hill WRF Decommissioning
- 46,000lbs Reduction of Nitrogen Per Year
- Demolition Expected to Begin Later this Year

# BROOKRIDGE WRF DECOMMISSIONING



- Recently Demolished
- New Subregional Pump Station to Divert Flows to The Glen WRF



# AIRPORT WRF EXPANSION AND DENITRIFICATION UPGRADES

- \$28 Million project from 3.5 MGD to 6 MGD
- Conversion to Advanced Wastewater Treatment for TN (3mg/l)
- Received approximately \$13 million in grant funding
- 48,000LBS of Nitrogen Removal per Year







## THE GLEN WRF DENITRIFICATION UPGRADES

- \$13 Million Project
- Conversion to Advanced Wastewater Treatment for TN
- Received Approximately \$4.6 Million in Grant Funding
- 55,000LBS Nitrogen Removal per Year



## RECLAIMED WATER PROJECT



- \$9 Million Project
- Approximately \$6 Million in Grant Funding
- Deliver 1.7 MGD of Reclaimed Water to Timber Pines Community



## Package Plants Decommissioning

- Conversion of 4 Existing Package Treatment Plants (Existing RV Parks) to Centralized Sewer
- Approximately \$3.4 Million in Grant Funding
- Currently Under Design

The background of the slide is a light gray gradient. It is decorated with several realistic water droplets of various sizes and shapes, scattered across the top and bottom edges. The droplets have highlights and shadows, giving them a three-dimensional appearance.

**QUESTIONS?**

# HERNANDO COUNTY FERTILIZER

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May 02, 2023

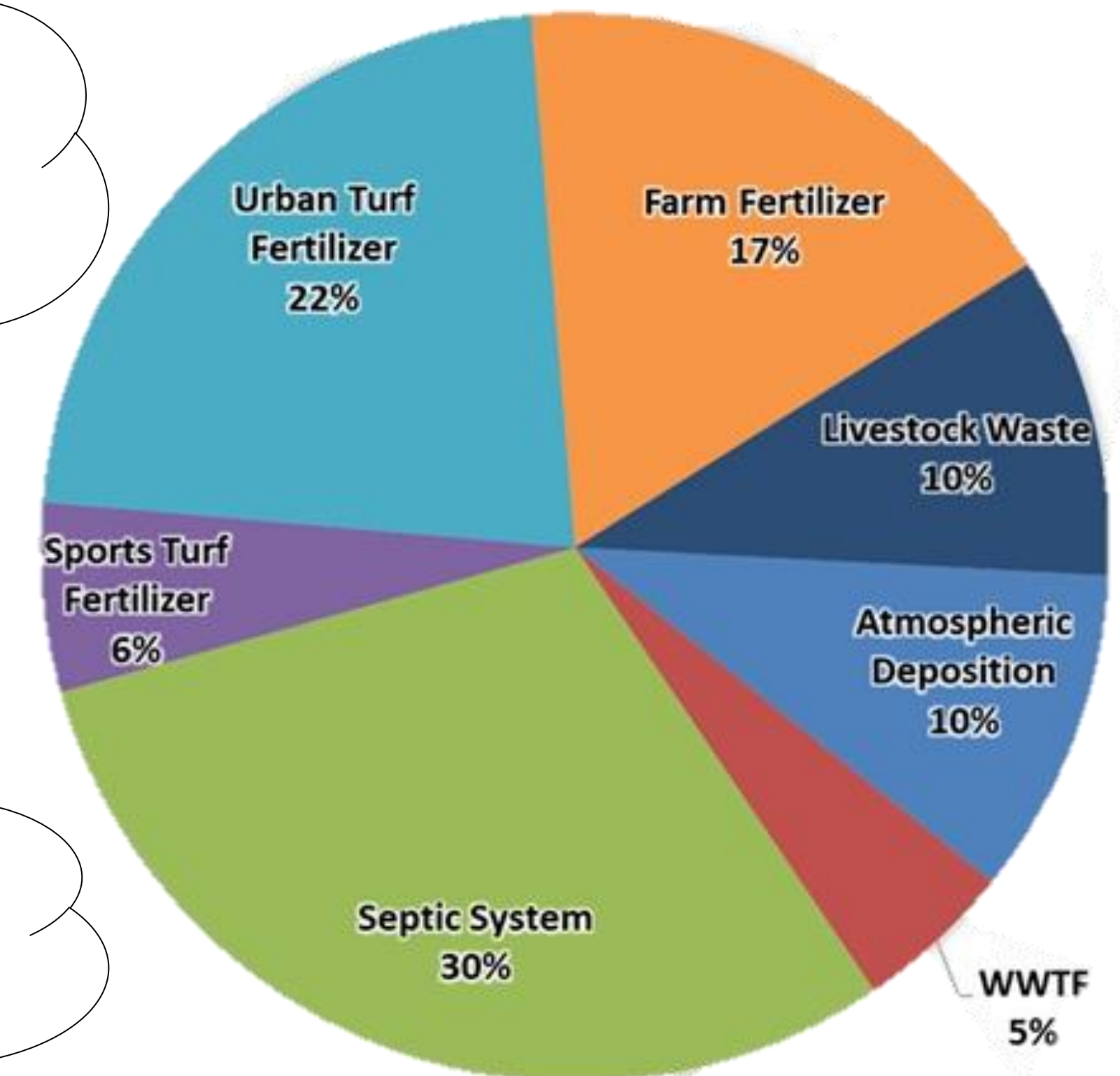


# WHY?

## Impaired Waterbodies

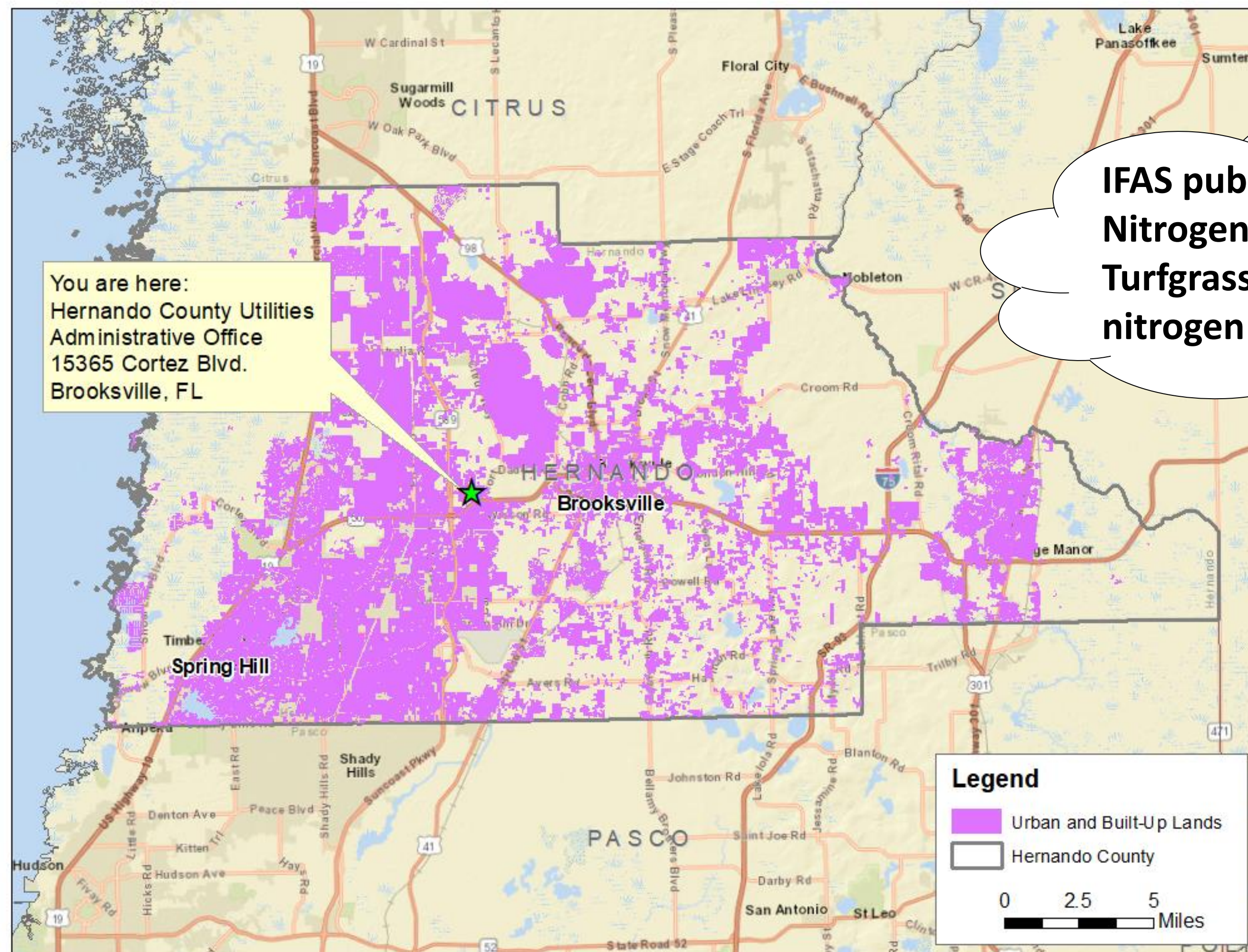
- Studies conducted by the SWFWMD and FDEP have determined that one of the primary causes of water quality issues in Weeki Wachee Springshed comes from inappropriate fertilizer use.<sup>2</sup>
- FDEP assumes 20% leaching of nitrogen from lawn fertilizers.<sup>4</sup>
- In Florida, water quality issues are among the most important environmental concerns, and preferences for iconic, lush, green landscapes have been associated with overuse of inputs such as water and fertilizer (Kumar Chaudhary et al. 2017).

Fertilizer applied to turfgrass can also have impacts on water quality through runoff of the fertilizer itself.<sup>1</sup>



IFAS publication “Fate of Nitrogen Applied to Florida Turfgrass” reports leaching of nitrogen ranges from 0-55%.<sup>3</sup>

Based on the Nitrogen Source Inventory Loading Tool and BMAP, urban turf fertilizer contributes 22% of nitrogen loading in the Weeki Wachee Springshed.<sup>4</sup>



1- De la Vega, E. L., & Ryan, J. (2016). Analysis of nutrients and chlorophyll relative to the 2008 fertilizer ordinance in Lee County, Florida. Florida Scientist,  
2- <https://www.hernandocounty.us/Home/Components/News/News/1707/274?selamenityid=2>  
3- Shaddox, T.W. and J.B. Unruh. 2018. The Fate of Nitrogen Applied to Florida Turfgrass. ENH1282, UF/IFAS Extension.  
4- FDEP. 2018. Weeki Wachee Basin Management Action Plan.



# Cost of Nutrient Pollution Impacts and Treatment

## Property Values

- Home values near lakes in Orange County, Florida: 17% increase in nutrient pollution decreased property values by \$4,000 to \$12,000
- Home values near St. Lucie River, St. Lucie Estuary, and Indian River Lagoon: 1% increase in water clarity increased property values by \$2,000 to \$11,000



## A Compilation of Cost Data Associated with the Impacts and Control of Nutrient Pollution

U.S. Environmental Protection Agency  
Office of Water  
EPA 820-F-15-096



May 2015



# Cost of Nutrient Pollution Impacts and Treatment

## Tourism and Economic Losses

**Table III-1. Examples of Estimated Tourism and Recreation Economic Losses due to HABs**

Study	State	Waters	Economic Losses (2012\$) <sup>1</sup>
Davenport and Drake (2011); Davenport et al. (2010)	OH	Grand Lake St. Marys	<ul style="list-style-type: none"> <li>• \$37–\$47 million estimated loss in tourism revenues in 2009 and 2010.</li> <li>• 5 lakeside business closures.</li> <li>• \$632,000 loss due to regatta cancellation.</li> <li>• \$263,000 decline in park revenues.</li> </ul>
Oh and Ditton (2005)	TX	Possum Kingdom Lake	<ul style="list-style-type: none"> <li>• 5% (2001) and 1.9% (2003) decrease in total economic output.</li> <li>• 57% (2001) and 19.6% (2003) decline in state park visitation.</li> </ul>
Evans and Jones (2001)	TX	Galveston Bay	<ul style="list-style-type: none"> <li>• In 2000, 85 shellfish bed closure days resulted in \$13.2– \$15.3 million direct impact and \$21.3–\$24.6 million total impact.</li> </ul>
Larkin and Adams (2007)	FL	Ft Walton Beach and Destin areas	<ul style="list-style-type: none"> <li>• \$4.2 million and \$5.6 million in reduced restaurant and lodging revenues, respectively, during HAB events.</li> </ul>
Morgan et al. (2009)	FL	Southwest coast	<ul style="list-style-type: none"> <li>• Reduced daily restaurant sales of \$1,202 to \$4,390 (13.7%–15.3%) during HAB events.</li> </ul>
Dyson and Huppert (2010)	WA	Beaches in Grays Harbor and Pacific Counties	<ul style="list-style-type: none"> <li>• Typical closure (2–5 days) results in \$2.23 million in lost labor income and \$6.13 million in sales impacts due to decreased visitation.</li> </ul>

HABs = harmful algal blooms

<sup>1</sup> All economic losses updated to 2012\$ using the Consumer Price Index.



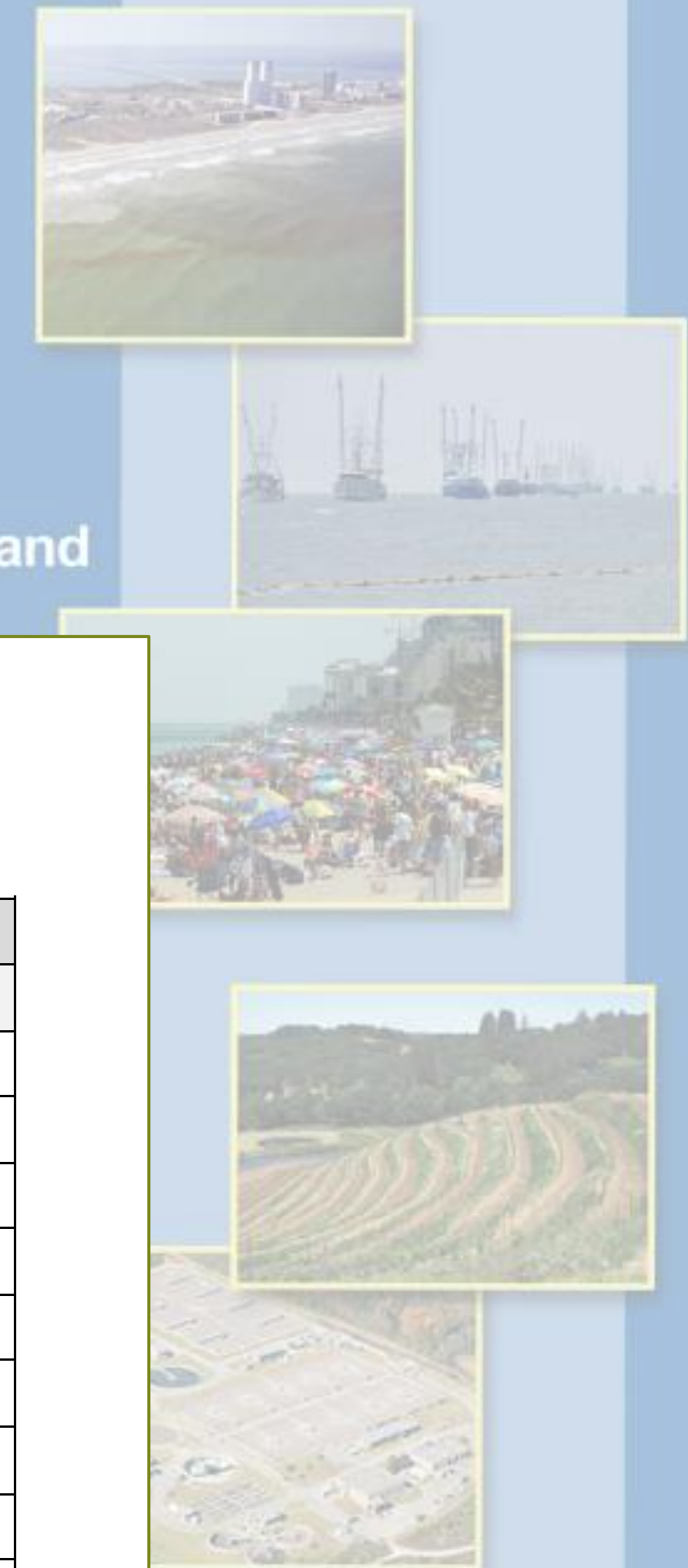
May 2015

# Cost of Nutrient Pollution Impacts and Treatment

Lawn fertilization programs compared to other nutrient BMPs



A Compilation of Cost Data Associated with the Impacts and Control of Nutrient Pollution



May 2015

**Table IV-6. BMP Cost and Performance for TN and TP Control for Urban and Residential Runoff**

Description		Performance	Unit Cost	Reference
<b>Total Nitrogen</b>				
Structural BMPs	Baffle Boxes	15% reduction	\$480/acre	SWET (2008)
	Bioretention Units	--	\$338-\$2,000/lb removed	CWP (2013)
	Bioswales	15-25% reduction	\$3,500-\$7,000/acre	SWET (2008)
		--	\$308/lb removed	CWP (2013)
	Detention Basins	15-20% reduction	\$4,400-\$8,800/acre	SWET (2008)
		--	\$1,100-\$4,600/lb removed	CWP (2013)
	Impervious Surfaces	--	\$2,428/lb removed	CWP (2013)
	Infiltration Basin	--	\$486-\$494/lb removed	CWP (2013)
Media Filtration	--	\$975-\$1,060/lb removed	CWP (2013)	
Porous Pavement	--	\$1,900-\$14,000/lb removed	CWP (2013)	
Non-Structural BMPs	Illicit Discharge Control Program	--	\$8.82-\$17.62/lb removed	CWP (2013)
	<b>Lawn Fertilization Programs</b>	<b>15-30% reduction</b>	<b>&lt;\$1-\$17/acre</b>	SWET (2008)
	Pet Waste Programs	--	\$0.43/lb removed	CWP (2013)
	Street Sweeping	--	\$3,500-\$14,600/lb removed	CWP (2013)
		2% reduction	\$22/acre	SWET (2008)



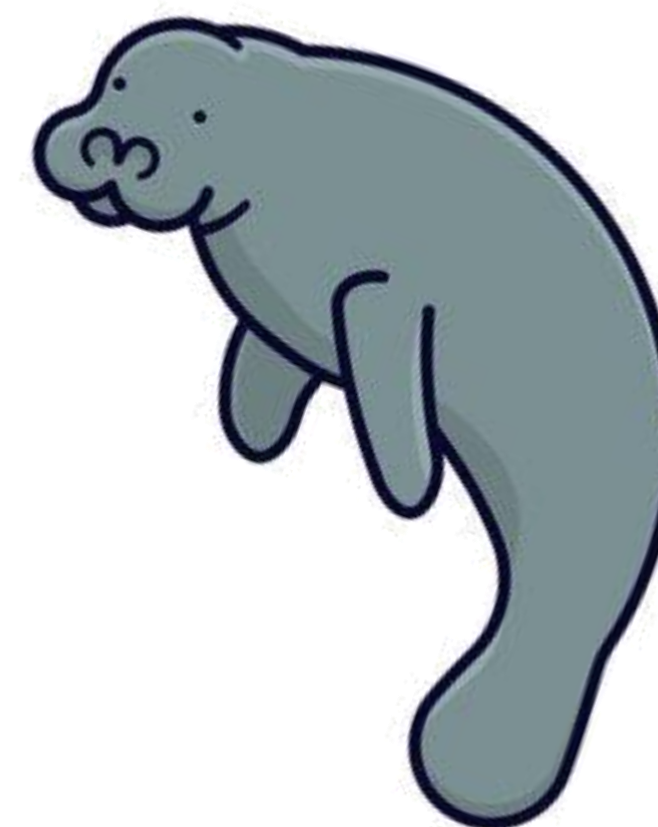
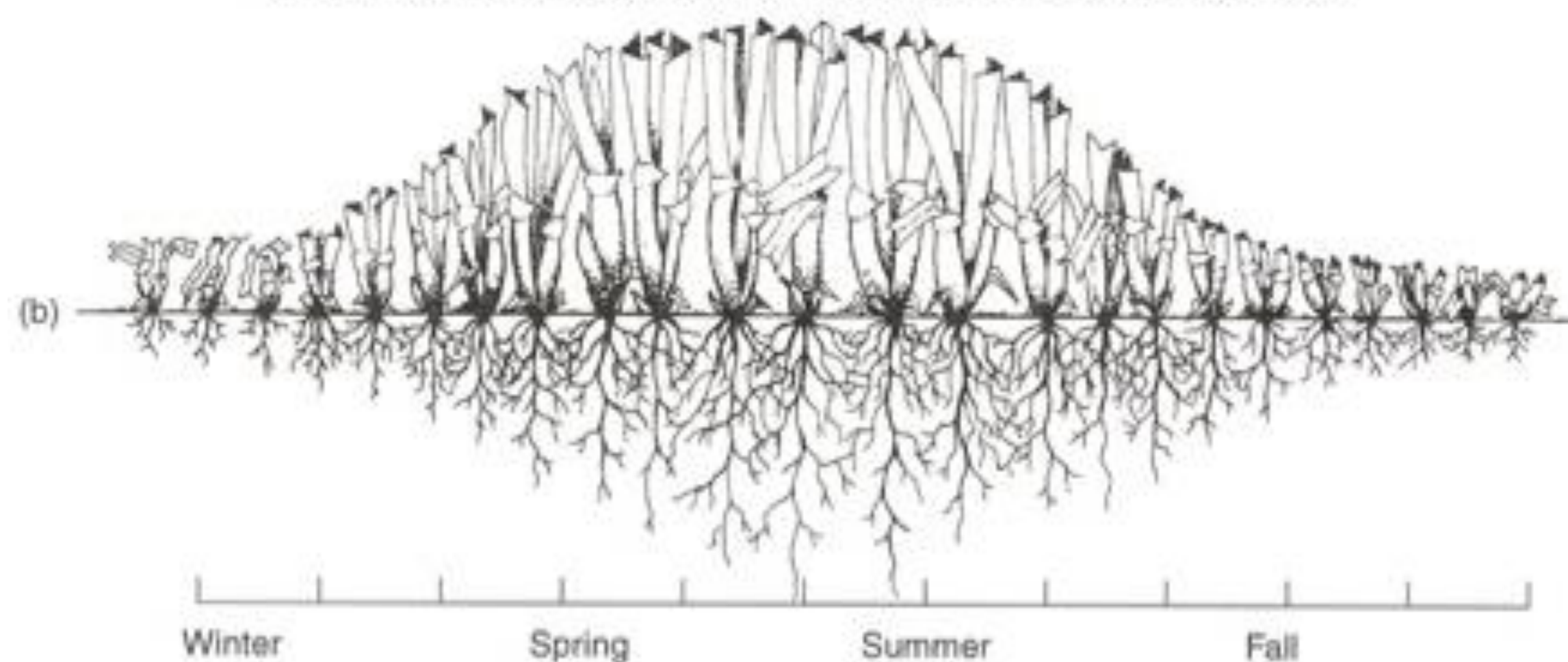
# WHEN?

No application of fertilizer containing nitrogen or phosphorus from June 1 through September 30 and December 1 through March 31

## Why Support a Winter Black Out?

- N application to turfgrasses is generally not needed in winter months due to the grasses entering a state of dormancy (or at least decreased growth).
- Smidt et al (2022) found fertilizer ordinances favorably impacted lacustrine water quality, and winter/dry season fertilizer bans had the greatest effect across all water quality metrics.
- While lawns naturally go dormant, turning brown in the process, during the winter in Florida, some homeowners will overwater and over fertilize as a way to prevent this.

Seasonal shoot and root growth of warm-season turfgrasses. (Turgeon, 2002)



**Your last fertilizer application should be around mid-October for central Florida-** *Homeowner BMPs for Home and Lawn- UF IFAS 2018*

**Decreased plant growth and root density in winter (cooler temperatures, less growth, less light)**

**It is important to not fertilize when grasses are not growing, as this can increase the possibility of nutrients leaching through the soil or running off**





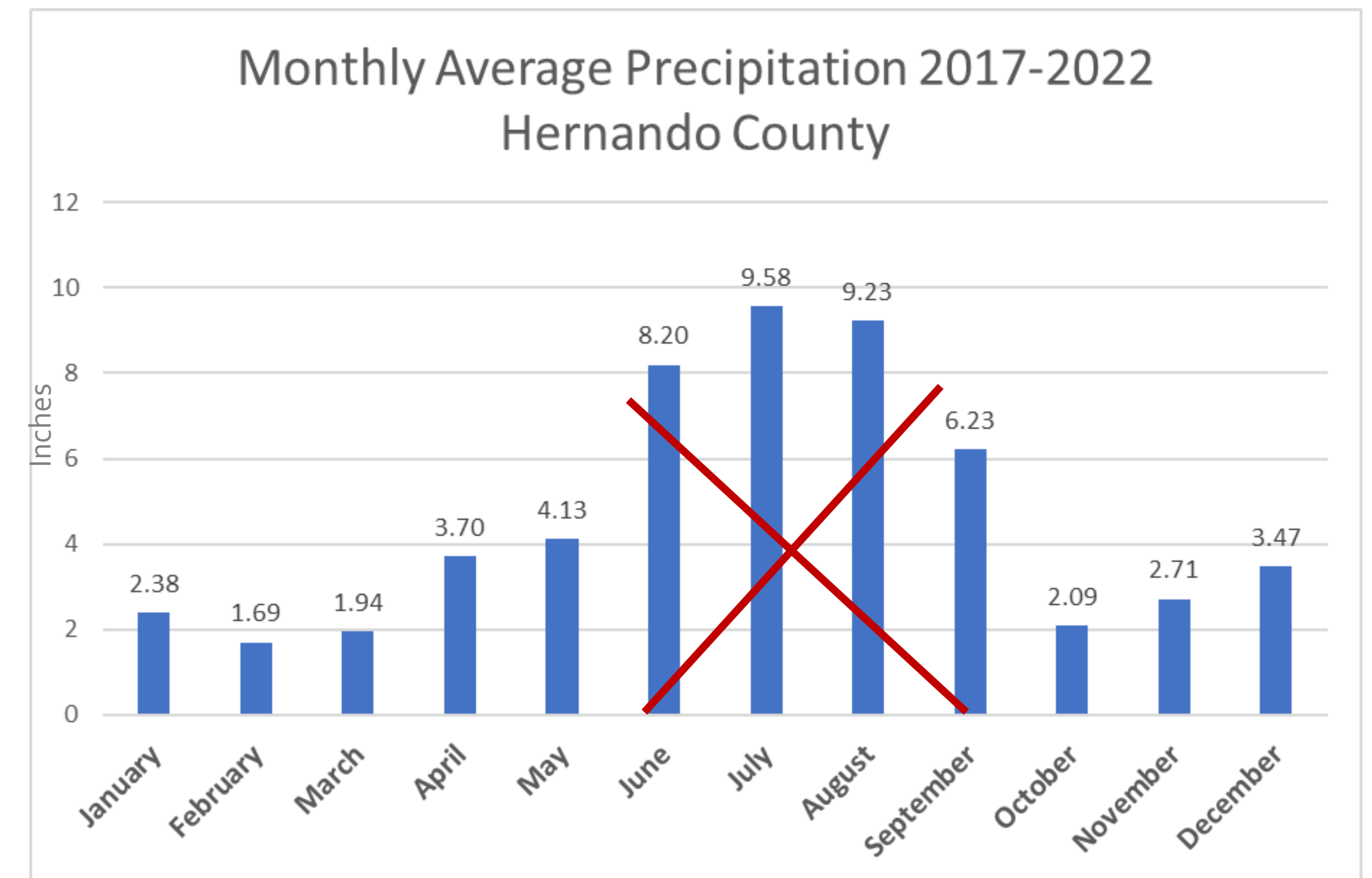
# WHEN?



No application of fertilizer containing nitrogen or phosphorus from June 1 through September 30 and December 1 through March 31

## Why Support a Rainy Season Black Out?

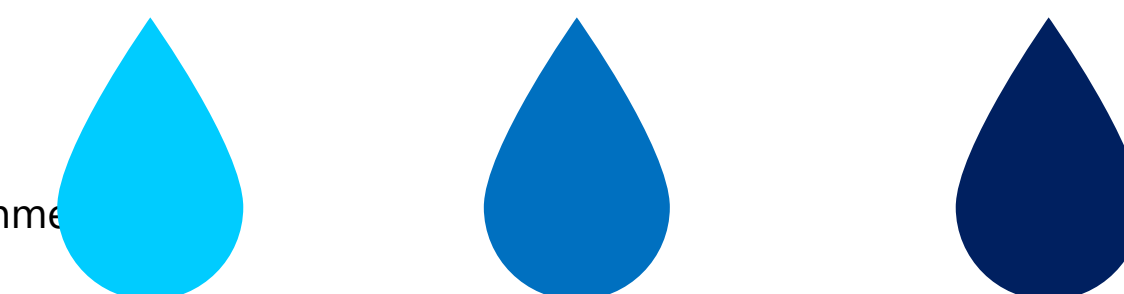
- Higher precipitation can mobilize N and allow it to leave lawns via leaching or runoff.
- Losses are most likely when fertilizer is applied just before or during heavy rainfall (Soldat and Petrovi 2008).
- Given the inability to predict future storm patterns and rain totals, **the most certain way to protect against run-off is to not allow fertilizing during the summer rainy season.**
- Krinsky et al (2021) performed stable isotope study of nitrate from lawn runoff in Florida between the wet and dry seasons. This study found that during the dry season the likely average percent contribution of inorganic fertilizers was 44.2% but dropped to 30.8% during the wet season, when a fertilizer restriction was in place.



For much of Florida, including the Tampa Bay region, summer is not the only growth period for turf grasses and landscape vegetation. Plants are also active in spring and fall. SWFWMD (2009) recognized that the prudent application of fertilizer bracketing the rainy season is a reasonable alternative to summer fertilization

Increased rainfall  
June – September  
increases chances  
for leaching and  
runoff

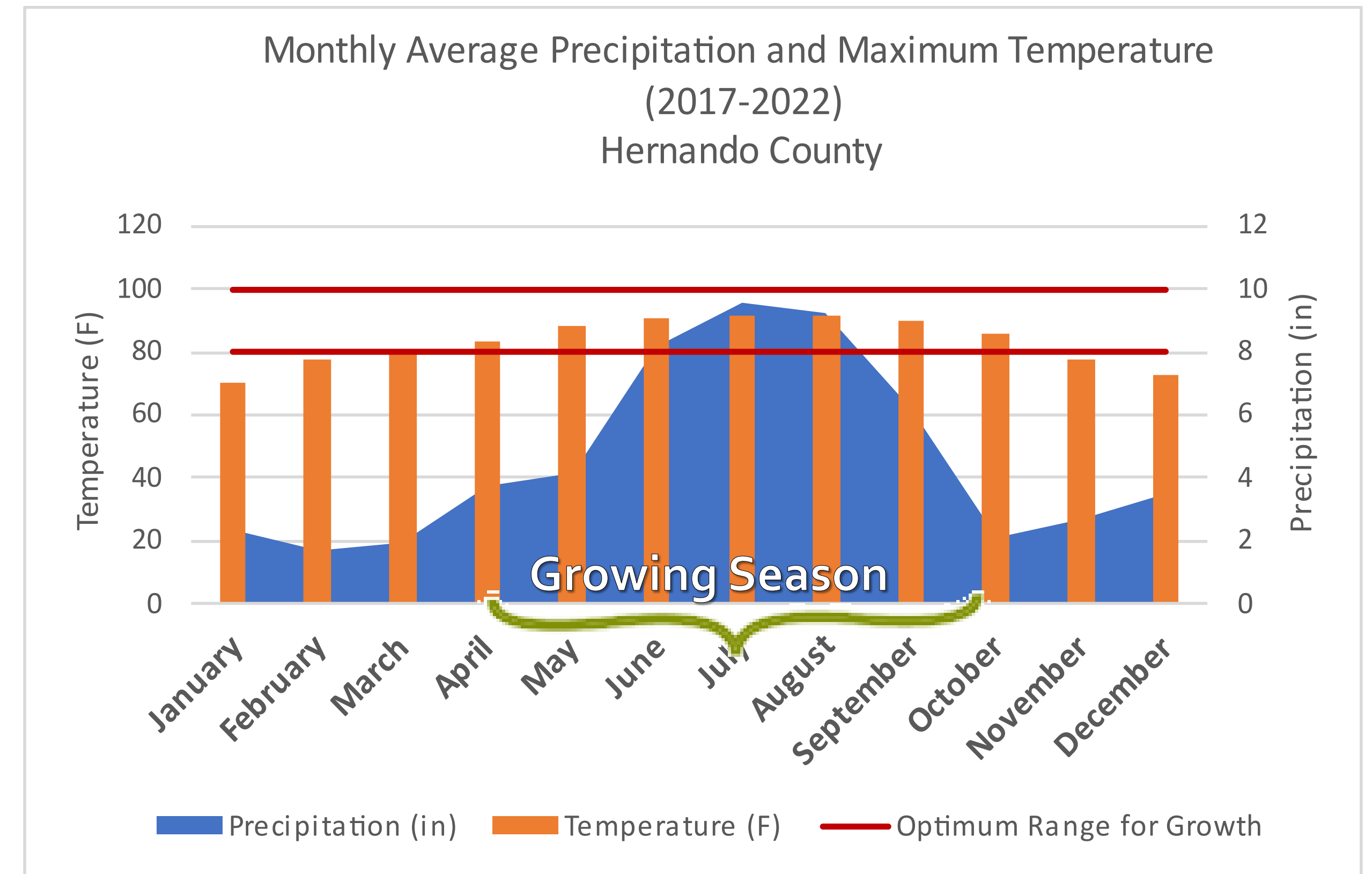
A summer  
restriction period  
would reduce the  
amount of N  
available to be  
mobilized to  
surface and ground  
waters



# WHEN?

## Why Support a Rainy Season Black Out?

- St. Augustine grass grows best in the warmth of spring and summer, when high temperatures are normally 80-100 °F.<sup>1</sup>
- Utilize slow-release fertilizer products to meet nutrient needs and support growth of healthy vegetation through the growing months (May to October) but adhere to the fertilizer black out between June and September.
- Allowing fertilizer application in May and (early) October will still allow at least two applications during the active growing season.
- The rationale for this provision to restrict the application of N and P containing fertilizers during this summer period is that more frequent rains will increase the likelihood of higher levels of soil saturation, runoff, and leachate carrying nutrients to surface water and groundwater. This is reasonable, in that over 50% of Hernando County's annual rains occur during this summer period (SWFWMD, 2023).



**“If you are in an area with a restricted application period, fertilize with a long-term controlled release product at the end of May. The grass will receive low doses of nitrogen over a period of 3 to 4 months, depending on the product used. When the restrictive period is over, fertilize again with a product that has a more soluble nitrogen component, such as sulfur-coated urea. This will reduce the potential for the fertilizer to release nitrogen during the winter months when the ability to take up the nutrients is reduced.” -Trenholm., L.E. Homeowner Best Management Practices for the Home Lawn. ENH979, UF/IFAS Extension.**



# WHERE?

## Apply Fertilizer to Areas Away from Waterbodies or Wetlands

Fertilizer exclusion zone- Waterfront property or 100ft set back from waterbody, whichever is less.

Buffer strips reduced runoff, compared with no buffer strips. Dense turf vegetation reduces runoff by creating pathways that reduce runoff rate thus enhancing infiltration. Water can be filtered of its sediment and nutrient load by turf shoots and roots- **Hochmuth et al. 2011. UF/IFAS SL283**

“It’s important to designate a ‘maintenance-free zone’ of at least 10 feet between your landscape and the riparian zone. This area helps to protect the water from runoff. Don’t mow, fertilize, or apply pesticides in the maintenance-free zone. Select plants that will do well without fertilization or irrigation after establishment.” - **UF/IFAS. 2015. Florida Yards and Neighborhoods Handbook**

It is widely recognized by professional landscapers and researchers alike that maintaining a non-fertilized strip along water bodies is a good practice for protecting water. No-mow zones also help absorb nutrients present in runoff as well as add a margin for application error -**Hillsborough County Environmental Services Division. 2010. Technical Support Document for Proposed Local Fertilizer Rule**

STAY AWAY FROM THE WATERWAY







# WHAT?

## Florida-Friendly Blackout Compliant Fertilizer

### Restricted Season

- Fertilizers containing nitrogen or phosphorus are not permitted between June 1 and September 30 or December 1 and March 31
- Fruit and vegetable gardens can still be fertilized
- Summer fertilizer blends can still be applied

## Summer Fertilizer Blends

- Must be nitrogen and phosphorus free
- Can be applied anytime
- Should be based on soil test
- Iron enhances color
- Manganese enhances disease resistance
- **Potassium** improves overall plant health
- Lime corrects acidic soil
- Compost can be used at any time



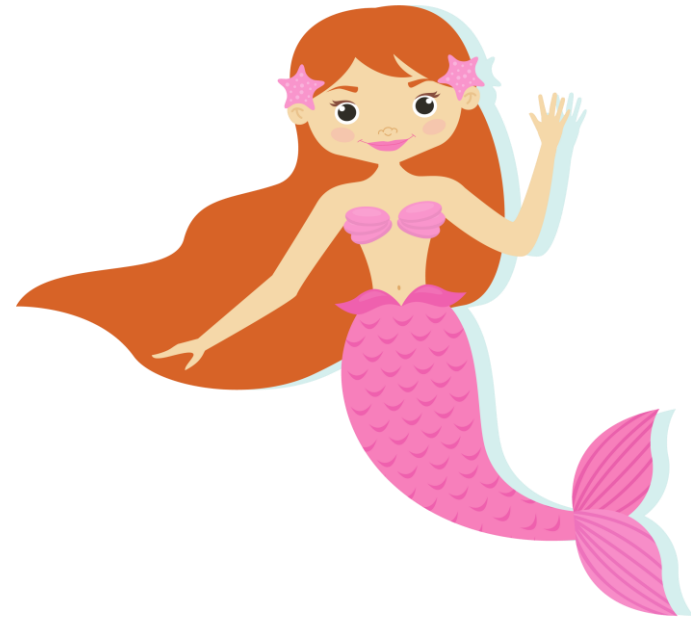
"Fertilization with N in the summer is not always desirable since this often encourages disease and insect problems. ...the addition of iron (Fe) to these grasses provides the desirable dark green color, but does not stimulate excessive grass growth which follows N fertilization."

Shaddox, T. (2017). SL21/LH014





# WHAT?



## Choosing Ordinance Compliant Fertilizers



If using fertilizer during the allowed application period....

- Only choose fertilizer that has at least 50% Slow-Release Nitrogen
- Apply zero phosphorus unless a soil test shows a deficiency

Many Florida soils are high in plant-available phosphorus and your lawn may not require any additional phosphorus in the form of fertilizer- **Trenholm, L.E., Cisar, J.L. and J.B. Unruh. 2006. St. Augustine Grass for Florida Lawns . ENH5**

The use of controlled-release fertilizer in the summer helps minimize the losses of N because only very small amounts of N are released from the fertilizer at any one time (typically based on temperature and moisture) -**Sartain, J.B. 2007. General Recommendations for Fertilization of Turfgrasses on Florida Soils, IFAS Publication SL21**

Slow-release N sources may be applied at higher rates than soluble N sources so long as the single application rate and total annual N applied do not exceed UF/IFAS recommendations- **Shaddox, T.W. and J.B. Unruh. 2018.**



To this end, slow-release N fertilizers can increase N uptake by as much as 300% compared with soluble N sources- **Shaddox, T.W. and J.B. Unruh. 2018. The Fate of Nitrogen Applied to Florida Turfgrass. ENH1282**

Slow release products are capable of meeting the nutritional needs of turf grasses through 6 months. If slow release nitrogen (SRN) is used in the spring months then lawns should be adequately fertilized during the summer months- **Sartain, J. B. 2008. Comparative influence of N source on N leaching and St. Augustine grass quality, growth and N uptake. Soil and Crop Sci. Soc. Florida Proc. 67: 43–47.**



# Florida-Friendly Landscaping Article

- Draft Code that mirrors the State's Florida Friendly Landscaping legislation (F.S. 373.185) stating that a deed restriction or covenant may not prohibit or be enforced so as to prohibit any property owner from implementing Florida Friendly Landscaping on his or her land
- Provides assistance to homeowners in making sustainable changes in their landscapes
- Prohibits Homeowner Associations from requiring irrigation and turf mandates in HOA codes, covenants, and restrictions

If you're adhering to Florida-friendly landscaping principles, then you're in the clear by state law. By encouraging the transformation of conventional landscapes to Florida-Friendly landscapes, HOAs and homeowners can conserve water, protect the environment, and allow a wide range of aesthetic choices.

## **Florida statute 720.3075**

*"Homeowners' association documents, including declarations of covenants, articles of incorporation, or bylaws, may not prohibit or be enforced so as to prohibit any property owner from implementing Florida-friendly landscaping, as defined in s. 373.185, on his or her land or create any requirement or limitation in conflict with any provision of part II of chapter 373 or a water shortage order, other order, consumptive use permit, or rule adopted or issued pursuant to part II of chapter 373."*



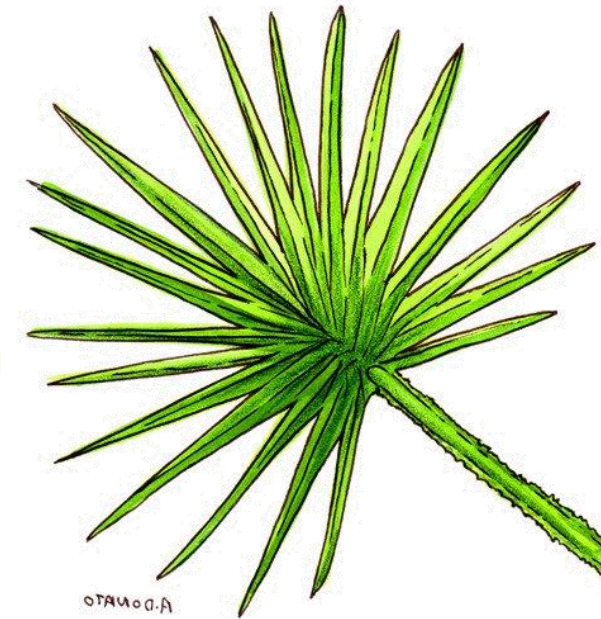


# Florida-Friendly Landscaping



New lawn models allow opportunities for greater personal creativity: planting with food, flowering plants, herbs, or wildlife habitat (Ponsford, 2020). **Complete turf replacement may be daunting so the goal may have to be gradual reductions in turf areas.**

“Florida-friendly landscaping” means quality landscapes that conserve water, protect the environment, **are adaptable to local conditions, and are drought tolerant.** The principles of such landscaping include planting the right plant in the right place, efficient watering, appropriate fertilization, mulching, attraction of wildlife, responsible management of yard pests, recycling yard waste, reduction of storm water runoff, and waterfront protection.



If the natural terrain and conditions are correct for the particular plant, then that plant will require less water, less fertilizer, less pesticides, and generally be healthier and look better. In other words, **don't plant something that likes wet soil on a sandy dune.** Florida native plants are encouraged, but not required.



Florida Native and Resilient Plants with the Greatest Potential for Increased Use and Most Widespread Familiarity and Current Use.

Grasses	Shade Trees	Herbaceous Perennials	Understory Trees	Shrubs	Ground Cover	Palms
Muhly Grass	Baldcypress	Scarlet Sage	Yaupon Holly	Simpsons Stopper	St. John's Wort	Coontie Palm
Fakahatchee Grass	Summer Red Maple	Blue Porterweed	Eastern Redcedar	Walter's Viburnum	Swamp Twinflower	Saw Palmetto
Purple Lovegrass	Shumard Oak	Lanceleaf Tickseed	Fringetree	Firebush	Sunshine Mimosa	Dwarf Palmetto
Sand Cordgrass	Miss Chloe Southern Magnolia	Leavenworth's Tickseed	Chickasaw Plum	Oakleaf Hydrangea	Frogfruit	Paurotis Palm
Elliot's Lovegrass	Longleaf Pine	Blue-eyed Grass	Flatwoods Plum	Wild Coffee	Oblongleaf Twinflower	Cardboard Plant
Little Bluestem	Winged Elm	Starry Rosinflower	Sweetbay Magnolia	American Beautyberry	Creeping Sage	Scrub Palmetto
Sea Oats	Sand Live Oak	Carolina Wild Petunia	Southern Waxmyrtle	Anise	Common Violet	Lady Palm
Lopsided Indiangrass	Bluff Oak	Lyreleaf Sage	Dahoon Holly	Darrow's Blueberry	Beach Verbena	Needle Palm
Splitbeard Bluestem	Tuliptree	-	Eastern Redbud	White Stopper	Narrowleaf Silkgrass	-
Wiregrass	Turkey Oak	-	Florida Privet	Sparkleberry	Partridge Berry	-





# Other Ordinances

County	Seasonal restriction	At least 50% slow release nitrogen	No phosphorus without a soil test	Fertilizer-free exclusion zone from water body	Voluntary low maintenance zone	Applies to commercial and institutional applicators	Additional professional training requirements
ALACHUA	July 1 - Feb 28	Yes	Yes	10		Yes	Not specified
BREVARD	June 1 - Sept 30	Yes	Yes	15	15	Yes	All commercial applicator employees and supervisors are required to complete BMP training.
BROWARD	NA	Not specified	Not specified	Not specified	Not specified	Yes	Not specified
CHARLOTTE	June 1 - Sept 30	Yes	Yes	10 (3 with deflector)	Not specified	Yes	Vehicle decal required.
CITRUS	Nov 1 - Mar 31	No, 33%	Not specified	25	Not specified	No	All professional applicators (including golf courses) must complete BMP training.
COLLIER	NA	Yes	Yes	10	Not specified	Yes	Not specified
COLUMBIA	NA	Not specified	Not specified	10 (3 with deflector)	Not specified	Yes	Not specified
DUVAL	NA	Not specified	Not specified	6	Not specified	Yes	Not specified
ESCAMBIA	NA	Not specified	Not specified	10	Not specified	Yes	Not specified
GADSDSEN	NA	Not specified	Not specified	10	Not specified	Yes	Not specified
HENDRY	NA	Not specified	Not specified	10	Not specified	Yes	Not specified
HERNANDO	Jan 1 - Mar 31	Not specified	Not specified	10	Not specified	No	Not specified
HILLSBOROUGH	June 1 - Sept 30	Yes	Yes	10	6	Yes	All commercial applicator employees and supervisors are required to complete BMP training. Vehicle decal required.
INDIAN RIVER	June 1 - Sept 30	Yes	Yes	10	Not specified	Yes	Not specified
LAKE	June 1 - Sept 30	Yes	Not specified	15	Not specified	Yes	Not specified
LEE	June 1 - Sept 30	Yes	Special rates defined	10	6	Yes	Vehicle decal required
LEON	"winter months"	Yes	Yes	15	15	Yes	Professional applicator supervisors must complete BMP training and re-certify with County program every 4 years.
MANATEE	June 1 - Sept 30	Yes	Yes	10	Not specified	Yes	Supervisors must complete BMP training. Employees must complete training (at a lower level). Vehicle decal required.

# Other Ordinances, Continued

County	Seasonal restriction	At least 50% slow release nitrogen	No phosphorus without a soil test	Fertilizer-free exclusion zone from water body	Voluntary low maintenance zone	Applies to commercial and institutional applicators	Additional professional training requirements
<b>MARION</b>	NA	No, special rates defined	Special rates defined	75 ft of river/spring 100ft of sinkhole/karst feature 15ft every other waterbody	Not specified	Yes	Must complete BMP training or county approved CEU. Vehicle decal required.
<b>MARTIN</b>	June 1 - Sept 30	Yes	Yes	25	Not specified	Yes	All applicators (including golf courses) must ensure at least one employee is BMP certified. County conducts all training.
<b>MIAMI-DADE</b>	May 15 - Oct 31	Yes, 65%	Yes	20	10	Yes	All applicators must complete training, but only commercial applicators are required to be BMP certified.
<b>MONROE</b>	May 15 - Oct 31	Yes, 65%	Yes	20	10	Yes	All applicators must complete BMP training and golf courses must complete golf course BMP training.
<b>ORANGE</b>	June 1 - Sept 30	Yes, 65%	Yes	25	10	Yes	Any individual applying fertilizer must take BMP training. Vehicle decal required.
<b>OSCEOLA</b>	NA	Not specified	Not specified	10	Not specified	Yes	Not specified
<b>PALM BEACH</b>	NA	Not specified	Not specified	10	Not specified	Yes	Not specified
<b>PASCO</b>	NA	Not specified	Not specified	10	Not specified	Yes	Not specified
<b>PINELLAS</b>	June 1 - Sept 30	No, special rates defined	Yes	10	6	Yes	County has their own BMP training program (for site supervisors and managers). Training for employees is required, but less stringent. Vehicle decal required.
<b>POLK</b>	NA	Not specified	Not specified	10	Not specified	Yes	Not specified
<b>SARASOTA</b>	June 1 - Sept 30	Yes	Special rates defined	10	Not specified	Yes	Not specified
<b>SEMINOLE</b>	June 1 - Sept 30	Yes, 65%	Yes	15	10	Yes	Not specified
<b>ST. JOHNS</b>	NA	Not specified	Not specified	10	Not specified	Yes	Not specified
<b>ST. LUCIE</b>	June 1 - Sept 30	Yes	Yes	10	Not specified	Yes	Not specified
<b>SUWANNEE</b>	NA	Not specified	Not specified	10	Not specified	Yes	Not specified
<b>VOLUSIA</b>	June 1 - Sept 30	Yes	Yes	15	Not specified	Yes	Not specified
<b>WAKULLA</b>	NA	Not specified	Not specified	10 (3 with deflector)	Not specified	Yes	Not specified



# WHO?

## Anyone Applying Fertilizer Within Unincorporated Areas of Hernando County

- A study conducted in the Wekiva River watershed (FDEP/SJRWMD 2010) suggests that **commercial landscape/lawn care companies do contribute substantial amounts of N to surface waters**
- According to Market Insight Research, more than three-quarters of **Tampa Bay residents** surveyed indicated their lawn had been treated with fertilizer in the past twelve months and of these **almost half had it applied by a lawn care service**
  - Fertilizer is applied monthly according to some who use a lawn service
- 79% of Manatee County residents surveyed use a landscape contractor to apply fertilizer
- Data clearly demonstrate that summer rainfall patterns make it difficult for even experts to determine in advance whether a specific location in the County will receive significant rains within the following 24 to 48 hours



**Exempting commercial applicators from the fertilizer restrictions would allow a majority of those applying fertilizer to be exempt from the restrictions, thereby minimizing the environmental gains**



1- Florida Department of Environmental Protection/St. John's River Water Management District (FDEP/SJRWMD). 2010. Final Report Wekiva River Basin Nitrate Sourcing Study. Palatka and Tallahassee, FL.

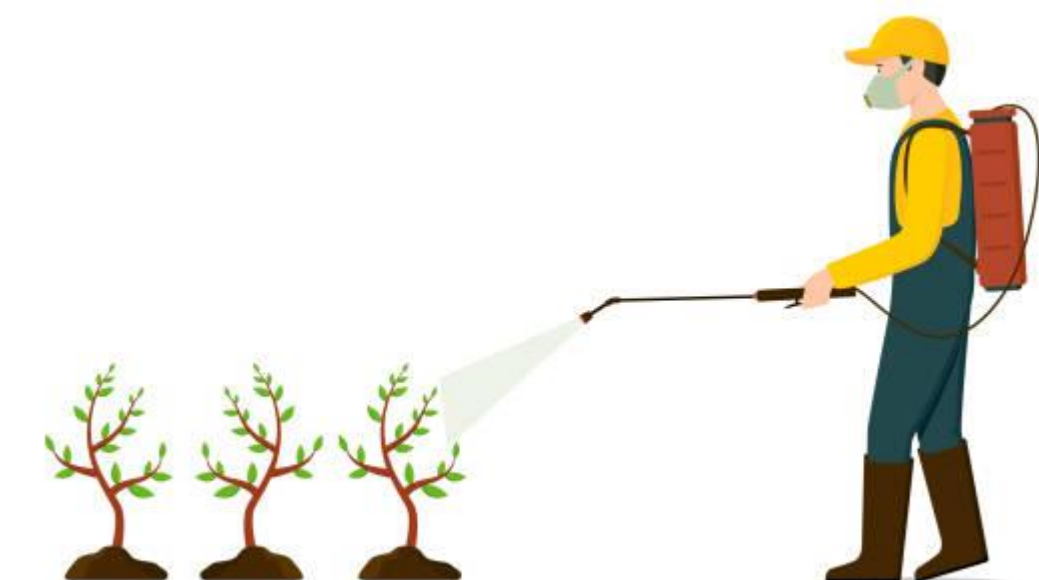
2- Market Insight. 2009. Analysis of Focus Group Research: TBEP's Fertilizer Education Campaign. Report for the Tampa Bay Estuary Program.

3-Persaud, A., Alsharif, K., Monaghan, P., Akiwumi, F., Morera, M. C., & Ott, E. (2016). Landscaping practices, community perceptions, and social indicators for stormwater nonpoint source pollution management. Sustainable cities and society, 27, 377-385.



# WHO?

- Residential Fertilizer Study (Souto et al 2007-2011) collected subdivision, regional, and statewide, consumer fertilizer information demonstrating that:
  - Homeowners who applied fertilizer to the lawn themselves applied much less nitrogen (N) than the IFAS recommended rates on average <sup>1</sup>
  - Half of Florida's fertilized lawns are managed by homeowners who are following the seasonal restriction intuitively <sup>1</sup>
- **There is no evidence that the fertilizer industry has suffered as a result of more restrictive ordinances <sup>2</sup> :**
  - Once restrictive period ordinances began to pass in Florida, fertilizer manufacturers responded quickly to develop products that can be applied during the seasonal restriction (There are over 120 products available on the market) <sup>2</sup>
  - Florida-owned fertilizer companies benefitted most by capitalizing on new products that can be applied in Florida during the rainy season. These products include micronutrients such as iron, magnesium, and other beneficial plant needs, they just don't have N or P <sup>2</sup>
  - In response to the Pinellas and Hillsborough County ordinances, Tru-Green opened a new residential lawn care center in Tampa and hired 175 new workers to help support the new emerging market <sup>2</sup>



1- Souto, Leesa, "Landscaping Perceptions And Behaviors: Socio-ecological Drivers Of Nitrogen In The Residential Landscape" (2012). Electronic Theses and Dissertations. 2341.

2- Souto, Leesa. "Science to Support Fertilizer Controls." *Florida Today*, 24 Nov. 2013.

# WHO?

- The GI-BMP certification is a one-day training (class and test) or an on-line module.
  - A passing grade is 75%, which means that the test taker can get the entire fertilizer module wrong and still pass the test.
- Regardless of training, professional applicators still cannot predict rain events.
  - How does the industry address the current Code that prohibits fertilizer application prior to 2 inches of rain in 24 hours?
- What is the premise upon which Hernando County's exemption for certified applicators from the restricted season application period is based?
- Hernando County is one of two Counties in Florida that have an exemption for commercial and institutional applicators.



Best Management Practices for  
**Protection of Water Resources**  
by the Green Industries

Florida-Friendly  
Landscaping™ PROGRAM





# Lessons Learned- Orange County

- 2008- FDEP identified fertilizer and septic tanks as highest nitrogen pollution sources to the Wekiva Basin.
- 2009- Orange County adopted initial Fertilizer Ordinance.
- 2010- Urban turf fertilizer (residential, and other) identified by contractor as 20% of nitrate loadings to the Wekiva Basin.
- 2015- State Model Ordinance updated.
- 2016- Florida Springs and Aquifer Protection Act required County to adopt State Model Fertilizer Ordinance Language by 2017.
- 2017- County Ordinance updated to comply with State Model Ordinance. The County also implemented an educational fertilizer campaign.
  - Ordinance included exemptions for trained and certified applicators.
  - BOCC directed County to complete a study to determine where nitrate was coming from.
- 2018- FDEP identifies urban turf fertilizer as 26% of nitrate loadings to the Wekiva Basin.
- 2021- Contractors for the County identified residential turf fertilizer as a significant contributor to groundwater nitrate within the springshed.
  - This evidence was sufficiently compelling for the Orange County BOCC to implement a revised fertilizer ordinance that restricts application of nitrogen-containing fertilizers during the rainy season, for ALL applicators (residential, commercial, and institutional).

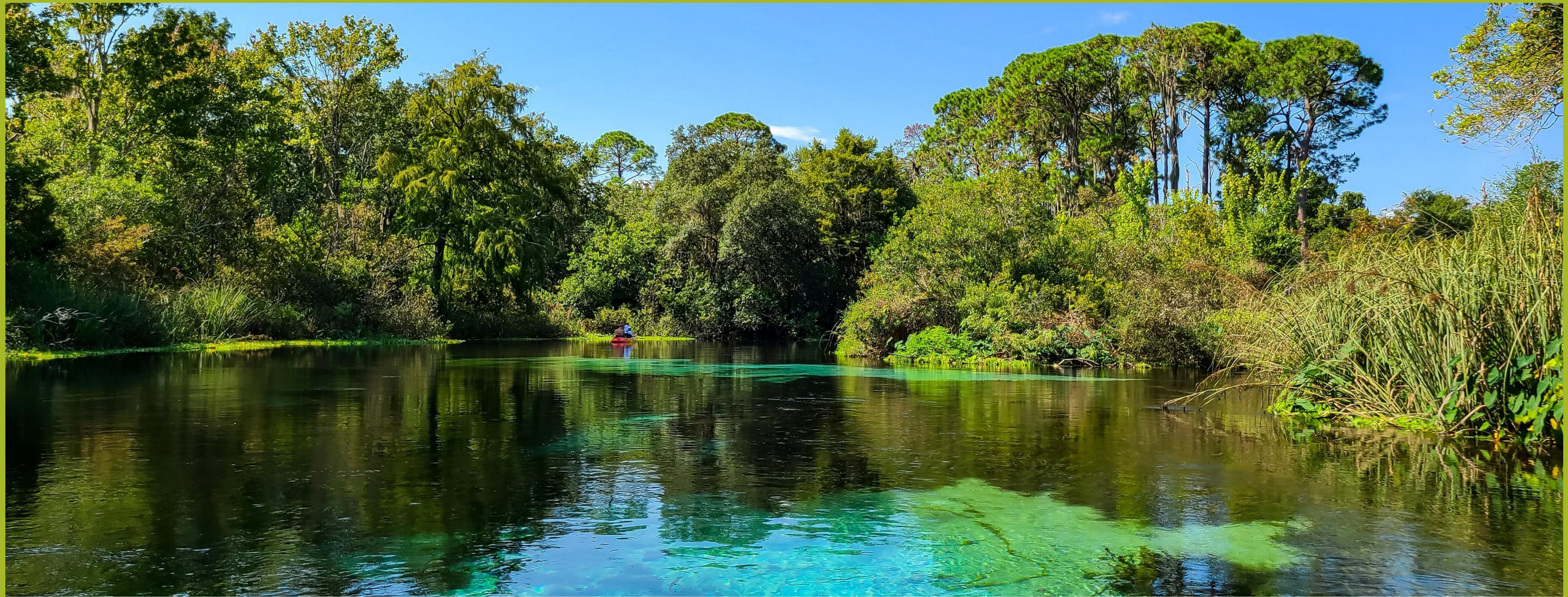
**Takeaway-** Orange County had to spend millions of dollars on scientific studies to show that that limiting the application period for just residential homeowners was not leading to improvements in water quality, and that the majority of nitrate in the groundwater was still associated with urban turf fertilizer, likely from the continued application year-round from commercial and institutional applicators. An economically feasible way to reduce nutrient loads and meet regulatory criteria is to remove exemptions for commercial and institutional applicators.



# Ordinance Options

	<b>Current</b>	<b>Protective</b>	<b>Most Protective</b>
<b>Restricted Period</b>	January - March	June - September	Winter and Summer
<b>Slow Control N</b>	Silent	50%	65%
<b>Phosphorus</b>	Silent	Reduced rate	Soil test required
<b>Commercial Applicators</b>	Exempt	Included	Included
<b>GI-BMP Training</b>	Training for single employee	Training for managers and supervisors	Training for all employed applicators
<b>Exclusion Zone (ft)</b>	10	20	Greater than 25





**THANK YOU FOR PROTECTING  
OUR NATURAL RESOURCES!**



# Training Requirements

## Sec. 28-514. Applicator training.

(a) All commercial applicators of fertilizer within Hernando County shall abide by and successfully complete the University of Florida IFAS "Florida-Friendly Best Management Practices for Protection of Water Resources by the Green Industries," training program or an approved equivalent. Successful completion shall be evidenced by issuance of a training certificate and a limited certification for urban landscape commercial fertilizer application to the applicator.

(b) All institutional applicators of fertilizer within Hernando County shall ensure **that at least one (1) employee has completed the training** program specified in subsection (a) of this section and received a training certificate. The employee or employees shall complete the training for the purpose of ensuring that fertilizer application practices are planned and carried out in compliance with this article and with Green Industry best management practices.


(Ord. No. 2013-34, § I, 11-12-13)

## Sec. 28-515. Applicator licensing and certification.

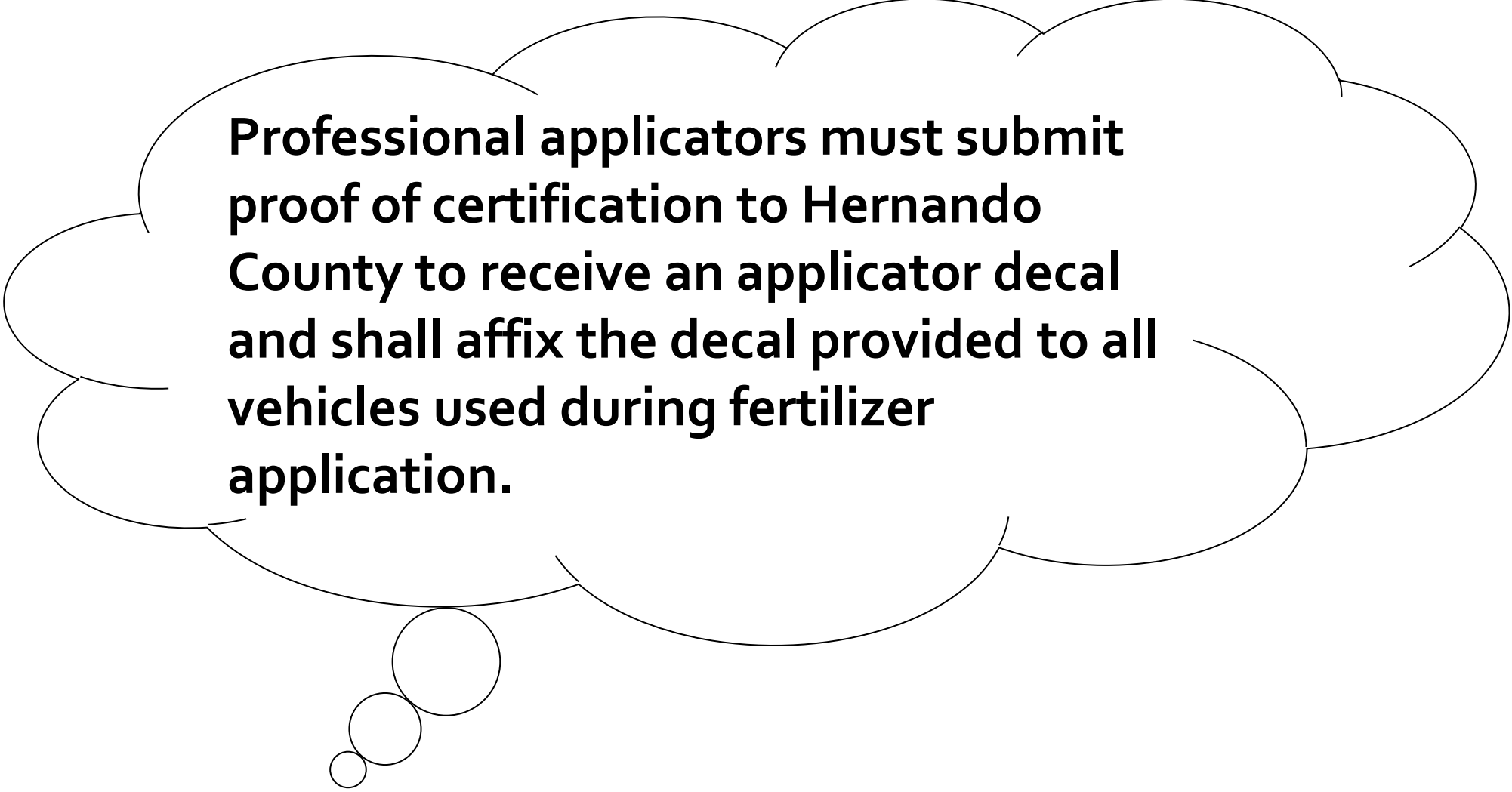
(a) By January 1, 2014, all commercial fertilizer applicators within Hernando County shall have and carry in their possession at all times when applying fertilizer, a limited certification for urban landscape commercial fertilizer application or other approved evidence of certification by the Florida Department of Agriculture and Consumer Services as a commercial applicator per 5E-14.117(18) Florida Administrative Code.

(b) By January 1, 2014, **all institutional applicators shall be supervised on site during the application of fertilizer by at least one (1) institutional applicator** who shall have and carry in their possession at all times when applying fertilizer, a University of Florida IFAS "Florida-Friendly Best Management Practices for Protection of Water Resources by the Green Industries" training certificate.

(Ord. No. 2013-34, § I, 11-12-13)



Any institutional applicator that applies fertilizer within the county shall abide by and successfully complete the six-hour training and continuing education requirements in the Florida-Friendly Best Management Practices for Protection of Water Resources by the Green Industries, offered by the Florida Department of Environmental Protection through the UF/IFAS "Florida-Friendly Landscaping" program.



Professional applicators must submit proof of certification to Hernando County to receive an applicator decal and shall affix the decal provided to all vehicles used during fertilizer application.



## Board of County Commissioners

### AGENDA ITEM

Meeting: 05/02/2023  
Department: BCC Records  
Prepared By: Heidi Kurppe  
Initiator: Heidi Kurppe  
DOC ID: 12243  
Legal Request Number:  
Bid/Contract Number:

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#### TITLE

#### BRIEF OVERVIEW

Items submitted during Citizens' Comments are attached for review.

#### FINANCIAL IMPACT

n/a

#### LEGAL NOTE

n/a

#### RECOMMENDATION

Items submitted during Citizens' Comments are attached for review.

#### REVIEW PROCESS



May 1, 2023

Chairman John Allocco  
Vice Chair Elizabeth Narverud  
2nd Vice Chair Steve Champion  
Commissioner Brian Hawkins  
Commissioner Jerry Campbell



**RE: Sierra Club support for a strict, no exemption, rainy season ban urban fertilizer ordinance**

Dear Commissioners,

Sierra Club Florida has been alongside local governments as they implement low-cost, effective nutrient pollution reduction through strict urban fertilizer management for over 15 years. While we have already provided supporting materials to HCUD staff and participated in the stakeholder process in support of a stronger, more protective urban fertilizer ordinance for Hernando County, we now take the opportunity to share the same with you in advance of tomorrow's workshop.

Since 2007, over seventeen counties and well over 100 municipalities have adopted "strong" ordinances that include strict (no exemption) rainy season application bans and a number of other protective provisions related to the content and application rate of fertilizer application. Hernando County is lucky; these strong provisions found in so many other existing ordinances have already been vetted many times over. Because these provisions, noted below, are now considered the minimum protections, the Sierra Club cannot endorse any ordinance that does not include them:

**Weather and seasonal restrictions:** No applicator shall apply fertilizers containing nitrogen and/or phosphorus to turf and/or landscape plants during the restricted season from June 1 through September 30.

*Note: The no-exemption rainy season application ban is the backbone of any urban fertilizer ordinance. Some more recently adopted ordinances have lengthened the blackout period to begin on May 15. Others have extended or are contemplating extending the period through the end of the hurricane season (November 30).*

**Exempting certified applicators is a non-starter:** lawn care professionals and DIYers need to follow the same set of rules and regulations.

1. It doesn't matter who applies fertilizer during the rainy season, there are no special tricks or training that can keep the fertilizer on the lawn during a summer downpour. To allow some to pollute Hernando's ailing waters makes no sense. For confirmation of the fact that the Limited Urban Commercial Fertilizer Applicator Certification does not lend applicators any tools to avoid rainy season fertilizer runoff, please check out our review of all of the GI BMP training materials: it details what is, and is not, covered in the training.
2. Sarasota County has had a strict, 4-month rainy season ban since 2007, and its lawn care professionals have long since utilized application schedules and summer-safe

products that make it easy to avoid nitrogen and phosphorus application during the summer.

3. Orange County's strong ordinance adopted in 2021 replaced an earlier weak ordinance that exempted certified applicators. That exemption created a double standard between lawn care professionals and the DIYers, made enforcement and education impossible, and in so doing failed to create the behavior change their county waters desperately needed. The passage of Orange County's strict, no-exemption ordinance was in part based on collected data, which you can review in the following public presentations, documents, and technical reports:
  - 11/30/21 Orange County EPD staff presentation to Orange County BOCC
    - Go to the 2021 meetings tab on the left, and then to agenda item #7
  - 2/8/22 Orange County Fertilizer Ordinance Public Hearing
    - Go to the 2022 meetings tab on the left, and then to agenda item #22
  - Wekiwa Nitrate Source Evaluation Tech Memo (September 2021)
  - Task 9 Wekiwa BMAP Gap Analysis Memo-Sept 2021 FINAL DRUMMOND CARPENTER (September 2021)
  - Orange County TMDL BMAP Support Nitrogen Modeling Assessment Technical Memorandum (October 2021)

**Fertilizer content and application rate:**

1. Fertilizers shall be applied to turf and/or landscape plants at the recommended rate per the "Florida Friendly Best Management Practices for Protection of Water Resources by the Green Industries", December 2008, as revised, with no more than four (4) pounds of nitrogen per 1,000 sq. ft. applied in any calendar year.
  - a. *Note: The 4 lb. per year limit has been in effect in Sarasota County since 2007. In the last couple of years, there has been a trend by the latest ordinances to lower that limit: Miami-Dade (2021) and Monroe County (2021) have both adopted a "no more than two (2) pounds of nitrogen per 1,000 sq. ft. applied in any year" provision. This is noteworthy because the growing season is longer in South Florida than it is in Hernando County. Meanwhile, in 2022 Orange County adopted a "no more than one (1) pound total nitrogen per one thousand (1,000) square feet of area per application not to exceed three (3) pounds of nitrogen per one thousand (1,000) square feet per year" provision. We encourage you to follow Orange County's lead.*
2. No fertilizer containing phosphorus shall be applied to turf and/or landscape plants, except where phosphorus deficiency has been demonstrated in the soil underlying the turf and/or landscape plants by a soil analysis test performed by a State of Florida-certified laboratory. Any person who obtains such a soil analysis test showing a phosphorus deficiency and who wishes to apply phosphorus to turf and/or landscape plants shall mail a copy of the test results to the County prior to the application of phosphorus.
  - a. *Note: The zero phosphorous language has been found in strong ordinances since 2010. In 2011, Scotts<sup>®</sup> announced they would completely remove phosphorus from their lawn maintenance fertilizers, including Scotts<sup>®</sup> Turf Builder<sup>®</sup>, the best-selling lawn fertilizer in the United States.*



3. Nitrogen fertilizer shall not be applied on newly established turf or new landscape plants for the first 30 days.
4. Not more than 1 lbs. of total nitrogen per 1000 sq. ft. per application shall be applied.
5. Nitrogen shall not be applied at an application rate greater than 0.5 lbs. of readily available nitrogen per 1000 sq. ft. based on the soluble fraction of formulated fertilizer.
6. Granular fertilizers containing nitrogen applied to turf and/or landscape plants within the County shall contain no less than 50 percent slow-release nitrogen per the guaranteed analysis label.
  - a. *Note: The terms “At least 50% Slow Release Nitrogen” and “shall not be applied at a rate that exceeds 0.5 lbs./1,000 feet<sup>2</sup> per application” have been in strong ordinances since 2007. The ordinances adopted in Seminole (2017), Miami-Dade (2021), and Orange (2022) counties have included stronger “at least 65% Slow Release Nitrogen” provisions.*
7. Liquid fertilizers containing nitrogen applied to turf and/or landscape plants within the County shall not be applied at a rate that exceeds 0.5 lbs./1,000 feet<sup>2</sup> per application.

**Fertilizer-free zones:**

Fertilizer shall not be applied within 15 feet from the top of the bank of any surface water, landward edge of the top of a seawall, designated wetland, or wetland as defined by the Florida Department of Environmental Protection (Chapter 62-340, Florida Administrative Code, as it may be amended or superseded).

- **Fertilizer-free zones are meant to be fertilizer-free:** Deepening the fertilizer-free zone from 10 ft to 15 or 25 ft is meaningless if there is any exception that would allow fertilizer in that zone. Fertilizer-free zones must be sacrosanct if they are to eliminate the chance of direct deposit of fertilizer into the waterbody and to provide enough space between where fertilizer is directly deposited and the water’s edge to preclude the runoff of fertilizer down the slope of the bank or over the sea wall.
- The 10 ft fertilizer-free zones found in earlier ordinances have been exchanged for 15-25 ft. fertilizer-free zones in the last few years. Please refer to the Orange County, Miami-Dade, Monroe, and Martin County fertilizer ordinances for recently adopted examples with 25 ft fertilizer-free zones. The deeper the fertilizer-free zone, the more protective it is.

There are other provisions that should be included in a strong/protective ordinance, but the above are some of the most critical.

**The science behind Florida’s many strong local ordinances is voluminous.** Each and every county that has adopted a strong ordinance since 2007, and especially since 2009, has a public record of all of the science it used to determine the viability of a strong ordinance in their respective watershed. In 2009, Florida Statute (403.9337) mandated that each ordinance stronger than the FDEP Model ordinance be “science-based, and economically and technically feasible” – since that date ordinances covering over a dozen counties, and in most cases, all of their respective municipalities, have been adopted and implemented.

**FDACS has never challenged the legality or the science behind any of the existing strict rainy season application ban ordinances.** It should also be noted that in December 2014 the Florida Department of Agriculture and Consumer Services (FDACS) updated the labeling

requirements for DIY bags of turf fertilizer in the state to include the following language: *“Check with your county or city government to determine if there are local regulations for fertilizer use.”*

**The fertilizer industry’s response has been positive.** In 2015 Scotts<sup>®</sup> announced their new summer-safe, no N-no P, turf product. It is an example of the positive response received by many urban fertilizer manufacturers since the first summer rainy season bans were adopted in 2007. There are many summer-safe products available. Pinellas County keeps track of ordinance-compliant products here.

**Lawns are healthier with less nitrogen.** Rick Barth, President of Palmer Ranch Master Property Owners Association gives powerful testimony in his 2009 letter, but there is also an abundance of literature that links nitrogen fertilization with pest infestation and disease.

**In conclusion:** Strict rainy season ban ordinances are no longer controversial, but rather a set of well-established and accepted practices through which local governments can address and reduce pollution borne by local stormwater runoff to our county’s springs, rivers, lakes, and estuaries. The Florida Department of Environmental Protection’s (FDEP) 2018 Weeki Wachee Basin Management Action Plan (BMAP) estimated that urban fertilizer from residential lawns accounts for at least 22% of the nitrate pollution in the springshed. This pollution has led to excessive Lyngbya algae growth, losses to native submerged aquatic vegetation, and the waterway’s impaired status. Hernando County can now complement the establishment of a Spring Protection Zone with a no to low-cost method of reducing a significant source of nutrient pollution in the watershed.

We have compiled urban fertilizer policy research, data, and information in support of strict, no exemption, rainy season ban in this Google folder for your review. This is your opportunity to take urban fertilizer pollution seriously, and Sierra Club is ready to collaborate with you to make strong, meaningful urban fertilizer management a reality in Hernando County.

Regards,

**DeeVon Quirolo**

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Alys Brockway, Water Resource Manager, [ABrockway@co.hernando.fl.us](mailto:ABrockway@co.hernando.fl.us)



Jeff Rogers, County Administrator, [JRogers@co.hernando.fl.us](mailto:JRogers@co.hernando.fl.us)  
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Hernando County Utilities Department (HCUD), [HCUDCS@HernandoCounty.us](mailto:HCUDCS@HernandoCounty.us) &  
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County Attorney's Office, [CAO@hernandocounty.us](mailto:CAO@hernandocounty.us)  
County Code Enforcement, [CE@HernandoCounty.us](mailto:CE@HernandoCounty.us)

**STRONG County and *Municipal* Urban Fertilizer Ordinance Coverage as of 02/08/22**  
**All include strict summer rainy season application bans.**

**Sarasota County (2007)**

*City of Sarasota*  
*Northport*  
*Venice*  
*Longboat Key\**

**Lee County (2008)**

*City of Sanibel*  
*City of Fort Myers*  
*Fort Myers Beach*  
*Bonita Springs*  
*City of Cape Coral*

**Pinellas County (2010)**

*Bellaire*  
*Bellaire Beach*  
*Bellaire Bluffs*  
*Bellaire Shore*  
*Clearwater*  
*Dunedin*  
*Gulfport*  
*Indian Rocks Beach*  
*Indian Shores*  
*Kenneth City*  
*Largo*  
*Madeira Beach*  
*North Redington Beach*  
*Oldsmar*  
*Pinellas Park*  
*Redington Beach*  
*Safety Harbor*  
*St. Pete Beach*  
*St. Petersburg*  
*Seminole*  
*South Pasadena*  
*Tarpon Springs*  
*Treasure Island*

**Manatee County (2011)**

*Bradenton*  
*Bradenton Beach*  
*City of Anna Maria*  
*Palmetto*  
*Holmes Beach*  
*Longboat Key\**

**Charlotte County (2011)**

*Punta Gorda*

**Indian River County (2013)**

*Indian River Shores*  
*Vero Beach*  
*Orchid*  
*Sebastian*

**Martin County (2014)**

*Sewall's Point*  
*Stuart*  
*Ocean Breeze*

**St. Lucie County (2014)**

*Port St. Lucie*  
*St. Lucie Village*  
*Fort Pierce*

**Brevard County (2014)**

*Rockledge*  
*Satellite Beach*  
*Melbourne Village*  
*Titusville*  
*Cocoa Beach*  
*Cocoa*  
*Cape Canaveral*  
*Grant-Valkaria*  
*Indian Harbour Beach*  
*Malabar*  
*Indialantic*  
*Palm Bay*  
*Palm Shores*  
*West Melbourne*  
*Melbourne Beach*  
*Melbourne*

**Volusia County (2014)**

*Daytona Beach*  
*New Smyrna Beach*  
*Ormond Beach*  
*Orange City*  
*Lake Helen*  
*DeLand*  
*Port Orange*  
*Holly Hill*  
*South Daytona*  
*Daytona Beach Shores*  
*Ponce Inlet*  
*Edgewater*  
*Oak Hill*

*Pierson*

**Seminole County (2017)**

*Altamonte Springs*  
*Casselberry*  
*Lake Mary*  
*Longwood*  
*Oviedo*

**Lake County (2017)**

*City of Montverde*

**Alachua County (2019)**

*Gainesville*  
*Hawthorne*  
*Archer*  
*Alachua*  
*Newberry*  
*High Springs*  
*Waldo*  
*Micanopy*  
*Lacrosse*

**Miami-Dade County (2021)**

*City of Miami*  
*City of West Miami*  
*Village of Key Biscayne*  
*City of Miami Beach*

**Monroe County (2021)**

*Isla Morada*

**Hillsborough County (2021)**

*City of Tampa (2011)*

**Orange County (2022)**

*City of Maitland (2020)*

.....  
*City of Marco Island (2016)*  
*Village of No. Palm Beach (2017)*  
*Town of Jupiter (2018)*  
*City of Palm Beach (2019)*  
*City of Naples (2008, 2019)*  
*City of Ft. Lauderdale (2020)*

\*Longboat Key is in both Sarasota and Manatee counties.

**(YEAR)** = year of adoption at county level; in some cases, municipal ordinances were adopted prior to county adoption.

**(YEAR)** = year of adoption in municipality where there is no county-wide strong ordinance.



Pinellas County Fertilizer List		Notify us if product not listed or changed formulations. This list is a guide for compliance.			Current as of 4/24/20
Brand Name	Product Name	N-P-K	Oct 1 - May 31	June 1- Sept 30	
*Any Brand Name*	Alfalfa Meal	X-X-X	Compliant	Non-compliant	
*Any Brand Name*	Aluminum Sulfate	0-0-0	Compliant	Compliant	No N or P
*Any Brand Name*	Ammonium Phosphate (solid/ granular, <50% SRN form)	X-X-0	Non-compliant	Non-compliant	Not 50% SRN
*Any Brand Name*	Ammonium sulphate (solid/granular, <50% SRN form)	X-0-0	Non-compliant	Non-compliant	Not 50% SRN
*Any Brand Name*	Ammonium sulphate (solid/granular, <50% SRN form)	X-0-0	Non-compliant	Non-compliant	Not 50% SRN
*Any Brand Name*	Bat Guano	X-X-X	Compliant	Non-compliant	
*Any Brand Name*	Blood Meal	X-0-0	Compliant	Non-compliant	
*Any Brand Name*	Bone Meal	X-X-X	Compliant	Non-compliant	
*Any Brand Name*	Calcium Nitrate (solid/granular, <50% SRN form)	X-0-0	Non-compliant	Non-compliant	Not 50% SRN
*Any Brand Name*	Chelated Iron	0-0-0	Compliant	Compliant	No N or P
*Any Brand Name*	Compost	X-X-X	Compliant	Compliant	compost product-not a fertilizer
*Any Brand Name*	Composted Manures	X-X-X	Compliant	Compliant	compost product-not a fertilizer
*Any Brand Name*	Copperas	0-0-0	Compliant	Compliant	No N or P
*Any Brand Name*	Corn Gluten Lawn Food	9-1-0	Compliant	Non-compliant	
*Any Brand Name*	Cotton Burr Compost	0.7-.12-.56	Compliant	Compliant	compost product-not a fertilizer
*Any Brand Name*	Cotton Seed Meal	X-X-X	Compliant	Non-compliant	
*Any Brand Name*	Dried Blood	X-0-0	Compliant	Non-compliant	
*Any Brand Name*	Earthworm Castings	X-X-X	Compliant	Compliant	compost product-not a fertilizer
*Any Brand Name*	Fish Emulsion/Hydrolized Fish Emulsion	X-X-X	Compliant	Non-compliant	
*Any Brand Name*	Fish Meal	X-X-X	Compliant	Non-compliant	
*Any Brand Name*	Green Sand	0-0-3	Compliant	Compliant	No N or P
*Any Brand Name*	Gypsum	0-0-0	Compliant	Compliant	No N or P
*Any Brand Name*	Humus	0-0-0	Compliant	Compliant	No N or P
*Any Brand Name*	Iron Humate/Humate	0-0-0	Compliant	Compliant	No N or P
*Any Brand Name*	Iron Sulfate	0-0-0	Compliant	Compliant	No N or P
*Any Brand Name*	Kelp Liquid	1-0-2	Compliant	Non-compliant	
*Any Brand Name*	Kelp Meal	1-0-2	Compliant	Non-compliant	
*Any Brand Name*	Lime/Dolomite, Hydrated Lime, Garden Lime	0-0-0	Compliant	Compliant	No N or P
*Any Brand Name*	Liquid Chelated Iron	0-0-0	Compliant	Compliant	No N or P
*Any Brand Name*	Magnesium sulphate/epsom salt	0-0-0	Compliant	Compliant	No N or P
*Any Brand Name*	Manganese	0-0-0	Compliant	Compliant	No N or P
*Any Brand Name*	Muriated of Potash	0-0-X	Compliant	Compliant	No N or P
*Any Brand Name*	Mushroom Compost	X-X-X	Compliant	Compliant	compost product-not a fertilizer
*Any Brand Name*	Nitrate of Soda (solid/granular, <50%SRN form)	X-0-0	Non-compliant	Non-compliant	Not 50% SRN
*Any Brand Name*	Peatmoss	0-0-0	Compliant	Compliant	No N or P

Brand Name	Product Name	N-P-K	Oct 1 - May 31	June 1- Sept 30	
*Any Brand Name*	Potash	0-0-X	Compliant	Compliant	No N or P
*Any Brand Name*	Potting soil	X-X-X	Compliant	Compliant	soil product-not a fertilizer
*Any Brand Name*	Rooting Hormone with No Nitrogen or Phosphorous	0-0-0	Compliant	Compliant	No N or P
*Any Brand Name*	Seaweed (Nitrogen and Phosphorous free formulas)	0-0-X	Compliant	Compliant	No N or P
*Any Brand Name*	Seed mixes	X-X-X	Compliant	Compliant	seed product-not a fertilizer
*Any Brand Name*	Sulfur	0-0-0	Compliant	Compliant	No N or P
*Any Brand Name*	Triple Super Phosphate / Super Phosphate	0-X-0	Compliant	Non-compliant	
*Any Brand Name*	Zinc Sulfate	0-0-0	Compliant	Compliant	No N or P
ABC Pest Control	Citrus Special	8-10-10	Compliant	Non-compliant	
Ace	Lawn Fertilizer	29-0-4	Non-compliant	Non-compliant	Not 50% SRN
Ace	Green Edge Lawn & Garden Fertilizer	6-2-0	Compliant	Non-compliant	
Ace	Green Turf Ready-to-Spray Weed & Feed Concentrate	20-0-0	Compliant	Non-compliant	Liquid application
Ace	Southern Weed & Feed	29-0-10	Compliant	Non-compliant	
Ace	Southern Weed & Feed	29-0-2	Compliant	Non-compliant	
Age Old	Bloom	5-10-10	Compliant	Non-compliant	Liquid application
Age Old	Grow	12-6-6	Compliant	Non-compliant	Liquid application
Alaska	All Purpose Fish Fertilizer	2-2-2	Compliant	Non-compliant	Liquid application
Alaska	All Purpose Fish Fertilizer For All Indoor & Outdoor Plants	6-4-6	Compliant	Non-compliant	
Alaska	MorBloom	0-10-10	Compliant	Non-compliant	Liquid application
Alaska	Naturals Blooms Fish Fertilizer	2-5-3	Compliant	Non-compliant	Liquid application
Alaska	Naturals Step One Grow	2-1-0	Compliant	Non-compliant	Liquid application
Alaska	Naturals Step Two Bloom	0-3-2	Compliant	Non-compliant	Liquid application
Alaska	Pure Kelp Plant Food	0.13-0-0.60	Compliant	Non-compliant	Liquid application
Alaska	Tomato and Vegetable	4-6-6	Compliant	Non-compliant	
American Pride	Fertilizer	9-6-6	Non-compliant	Non-compliant	Not 50% SRN
Anderson	Kal-Tec Contec DG	0-0-13	Compliant	Compliant	No N or P
Better-Gro	Controlled release Bromeliad, Orchid, and House-Plant Food	11-11-18	Compliant	Non-compliant	
Better-Gro	Orchid Better-Bloom	11-35-15	Compliant	Non-compliant	
Better-Gro	Orchid Bloom Booster	11-35-15	Compliant	Non-compliant	
Better-Gro	Orchid Plus Fertilizer	20-14-13	Compliant	Non-compliant	
BGI	BouGain for Bougainvillea	6-8-10	Non-compliant	Non-compliant	Not 50% SRN
BGI	CitrusGain	8-3-9	Non-compliant	Non-compliant	Not 50% SRN
BGI	Garden & Gain All Purpose Controlled Release Plant Food	15-7-13	Compliant	Non-compliant	
BGI	Grow & Gain Liquid Fertilizer	10-10-5	Compliant	Non-compliant	Liquid application
BGI	Grow & Gain Plant Food Mist	0.0225-0.0225-0.0125	Compliant	Non-compliant	
BGI	HibisGain	12-6-8	Compliant	Non-compliant	
BGI	OrchidGain	13-2-13	Compliant	Non-compliant	
BGI	PalmGain	8-2-12	Non-compliant	Non-compliant	Not 50% SRN
BGI	RoseGain	12-6-13	Compliant	Non-compliant	
BGI	TomatoGain Tomato Plant Food	8-16-16	Non-compliant	Non-compliant	Not 50% SRN
BioAdvanced	3 in 1 Weed & Feed for Southern Lawns	35-0-3	Compliant	Non-compliant	



Brand Name	Product Name	N-P-K	Oct 1 - May 31	June 1 - Sept 31	Notes
BioAdvanced	2 in 1 Rose & Flower Granules	6-9-6	Non-compliant	Non-compliant	Not 50% SRN
BioAdvanced	All in One Weed & Feed	22-0-4	Non-compliant	Non-compliant	Not 50% SRN
BioAdvanced	All-in-1 Rose/Flower 32oz Conc	9-14-9	Compliant	Non-compliant	
BioAdvanced	Plant Food Plus Insect Control Spikes	8-11-5	Compliant	Non-compliant	
BioAdvanced	Rose & Flower Care All In One Granules	6-9-6	Non-compliant	Non-compliant	Not 50% SRN
BioAdvanced	Rose & Flower Fertilizer	9/18/2009	Non-compliant	Non-compliant	Not 50% SRN
BioAdvanced	Tree & Shrub Protect & Feed	2-1-1	Compliant	Non-compliant	
BioAdvanced	Tree & Shrub Protect & Feed II	2-1-1	Compliant	Non-compliant	
BioAdvanced	Triple Action Lawn Fertilizer Plus	30-0-4	Compliant	Non-compliant	
Black Kow	Pelletized Chicken Manure	5-3-2	Compliant	Non-compliant	Not compost, dehydrated & pasturized
BlackGold	Black Hen All Natural Organic Fertilizer	2-3-2	Compliant	Non-compliant	Not compost, dehydrated & pasturized
Bonide	Garden Rich Root & Grow	4-10-3	Compliant	Non-compliant	Liquid application
Bonide	Garden Rich Root & Grow Root Stimulator	4-10-3	Compliant	Non-compliant	Liquid application
Bonnie	Herb and Vegetable	8-4-4	Compliant	Non-compliant	
Bonnie	Herb, Vegetable, and Flower	8-4-4	Compliant	Non-compliant	
Bonnie	Organic Plant Food, Herb & Vegetable	3-1-1	Compliant	Non-compliant	
Bradfield Organics	Luscious Lawn & Garden	3-1-5	Compliant	Non-compliant	
Bradfield Organics	Luscious Lawn Corn Gluten	9-0-0	Compliant	Non-compliant	
Bradfield Organics	Pasture & Farm	4-1-4	Compliant	Non-compliant	
Bradfield Organics	Tasty Tomato	3-3-3	Compliant	Non-compliant	
Bradfield Organics	Veggie	2-3-6	Compliant	Non-compliant	
Brandt	Converge	18-3-6	Non-compliant	Non-compliant	Not 50% SRN
Brandt	Noculate	8-2-8	Non-compliant	Non-compliant	Not 50% SRN
Brandt	Platinum	0-0-18	Compliant	Compliant	No N or P
Burpee	Natural & Organic Starter + Transplanting Granular Plant Food	3-6-4	Compliant	Non-compliant	
Christine's	Citrus Special	4-6-8	Compliant	Non-compliant	
Christine's	Fruit & Vegetable	6-6-6	Compliant	Non-compliant	
Colorburst	Flowering Plant Food	15-30-15	Non-compliant	Non-compliant	Not 50% SRN
Coop Poop	All Purpose Garden Food	2-4-3	Compliant	Non-compliant	
Dr. Earth	Acid Lover Azalea, Camellia, Rhododendron, & Maple	3-4-3	Compliant	Non-compliant	
Dr. Earth	Annual Bloom Flower Garden	3-7-4	Compliant	Non-compliant	
Dr. Earth	Big Nitro	7-2-2	Compliant	Non-compliant	Liquid application
Dr. Earth	Exotic Blend Palm, Tropical & Hibiscus	5-4-6	Compliant	Non-compliant	
Dr. Earth	Flower Girl Bud & Bloom Booster	3-9-4	Complaint	Non-compliant	
Dr. Earth	Golden Bloom	2-7-2	Complaint	Non-compliant	Liquid application
Dr. Earth	Home Grown Tomato, Vegetable & Herb (Granular)	4-6-3	Compliant	Non-compliant	
Dr. Earth	Home Grown Tomato, Vegetable & Herb (Liquid)	3-2-2	Compliant	Non-compliant	Liquid application
Dr. Earth	LIFE All Purpose Fertilizer	5-5-5	Compliant	Non-compliant	
Dr. Earth	Liquid Solution All Purpose	3-3-3	Compliant	Non-compliant	Liquid application
Dr. Earth	Natural Wonder Fruit Tree	5-4-2	Compliant	Non-compliant	Liquid application



Brand Name	Product Name	N-P-K	Oct 1 - May 31	June 1- Sept 30	
Dr. Earth	Natural Wonder Fruit Tree (Granular)	5-5-2	Compliant	Non-compliant	
Dr. Earth	Ocean Rich Seaweed	0-0-4.5	Compliant	Compliant	No N or P
Dr. Earth	Premium Gold All Purpose (Granular)	4-4-4	Complaint	Non-compliant	
Dr. Earth	Premium Gold All Purpose (Liquid)	4-4-4	Complaint	Non-compliant	Liquid application
Dr. Earth	Pure Gold All Purpose Plant Food	1-1-1	Complaint	Non-compliant	Liquid application
Dr. Earth	Root Zone Starter	2-4-2	Complaint	Non-compliant	
Dr. Earth	Spectacular Bulb Food	3-14-2	Compliant	Non-compliant	
Dr. Earth	Succulence Cactus & Succulent Plant Food	1-1-2	Complaint	Non-compliant	Liquid application
Dr. Earth	Super Natural Lawn Fertilizer	9-0-5	Complaint	Non-compliant	
Dr. Earth	Total Advantage Rose & Flower	4-6-2	Complaint	Non-compliant	Liquid application
Dr. Iron	22% Iron / 55% Sulphur	0-0-0	Compliant	Compliant	No N or P
Dynamite	All Purpose Plant Food (Florida)	18-6-9	Compliant	Non-compliant	
Dynamite	All Purpose Plant Food Select	15-5-9	Compliant	Non-compliant	
Dynamite	Cactus & Succulent Food	18-6-8	Compliant	Non-compliant	
Dynamite	Flowers & Vegetable Food (Florida)	13-13-13	Compliant	Non-compliant	
Dynamite	Mater Magic	8-5-5	Compliant	Non-compliant	
Dynamite	Mater Magic Organic	5-5-9	Compliant	Non-compliant	
Dynamite	Orchids & Bromeliads	10-10-7	Need Labels	Need Labels	Unknown Compliance
Dynamite	Organic All-Purpose	10-2-8	Need Labels	Need Labels	Unknown Compliance
Earth Box	Replant Kit	7-7-7	Compliant	Non-compliant	
Earth Box	Replant Kit	8-3-5	Compliant	Non-compliant	
Ecocraps	All Purpose Plant Food	5-5-5	Compliant	Non-compliant	
Ecocraps	Berry Plant Food	4-5-4	Compliant	Non-compliant	
Ecocraps	Citrus & Avocado Plant Food	5-2-3	Compliant	Non-compliant	
Ecocraps	Herbs & Leafy Greens Plant Food	5-4-5	Compliant	Non-compliant	
Ecocraps	Rose and Flower Plant Food	4-6-3	Compliant	Non-compliant	
Ecocraps	Tomato, Herb, and Vegetable	5-4-6	Compliant	Non-compliant	
Espoma	All Natural Lawn Food	7-2-2	Compliant	Non-compliant	
Espoma	Bio-tone starter	4-3-3	Compliant	Non-compliant	
Espoma	Bio-tone starter plus	4-3-3	Compliant	Non-compliant	
Espoma	Bulb-tone	3-5-3	Compliant	Non-compliant	
Espoma	Chicken Manure	3-2-3	Compliant	Non-compliant	Not compost, dehydrated, compressed and pasturized
Espoma	Citrus-tone	5-2-6	Compliant	Non-compliant	
Espoma	Flower-tone	3-4-5	Compliant	Non-compliant	
Espoma	Garden Food	5-10-5	Need Labels	Need Labels	Unknown Compliance
Espoma	Garden Food	10-10-10	Need Labels	Need Labels	Unknown Compliance
Espoma	Garden Manure	4-2-2	Compliant	Non-compliant	Not compost, dehydrated, compressed and pasturized
Espoma	Garden-tone	3-4-4	Compliant	Non-compliant	
Espoma	Gro-tone	2-2-2	Compliant	Non-compliant	
Espoma	Holly-tone	4-3-4	Compliant	Non-compliant	

Brand Name	Product Name	N-P-K	Oct 1 - May 31	June 1- Sept 30	NOTES
Espoma	Hen Manure	4-2-2	Compliant	Non-compliant	Not compost, dehydrated, compressed and pasturized
Espoma	Iron-tone	2-1-3	Compliant	Non-compliant	
Espoma	Lawn Food - For all Seasons	15-0-5	Compliant	Non-compliant	
Espoma	Organic Orchid! Bloom Booster	1-3-1	Compliant	Non-compliant	
Espoma	Organic Cactus! Succulent Plant Food	1-2-2	Compliant	Non-compliant	
Espoma	Organic Grow! All Purpose Plant Food	2-2-2	Compliant	Non-compliant	Liquid application
Espoma	Organic Indoor! House Plant Food	2-2-2	Compliant	Non-compliant	
Espoma	Organic Lawn Food - All Season Lawn Food	9-0-0	Compliant	Non-compliant	
Espoma	Organic Lawn Food - Fall Winterizer	8-0-5	Compliant	Non-compliant	
Espoma	Organic Lawn Food - Spring Lawn Booster	8-0-0	Compliant	Non-compliant	
Espoma	Organic Lawn Food - Summer Revitalizer	8-0-0	Compliant	Non-compliant	
Espoma	Organic Lawn Starter - Seed and Sod Lawn Food	3-6-3	Compliant	Non-compliant	
Espoma	Organic Rose-tone	4-3-2	Compliant	Non-compliant	
Espoma	Organic Start! Starter Plant Food	1-2-2	Compliant	Non-compliant	Liquid application
Espoma	Organic Violet! African Violet Plant Food	1-2-1	Compliant	Non-compliant	
Espoma	Organic Weed Preventer	9-0-0	Compliant	Non-compliant	
Espoma	Palm-tone	4-1-5	Compliant	Non-compliant	
Espoma	Plant-tone	5-3-3	Compliant	Non-compliant	
Espoma	Rose-tone	4-3-2	Compliant	Non-compliant	
Espoma	Soil Perfector	0-0-0	Compliant	Compliant	Not a fertilizer
Espoma	Tomato-tone	3-4-6	Compliant	Non-compliant	
Espoma	Organic Tomato & Vegetable	1-3-1	Compliant	Non-compliant	
Espoma	Tree-tone	6-3-2	Compliant	Non-compliant	
Expert Gardener	All Purpose Fertilizer	10-10-10	Non-compliant	Non-compliant	Not 50% SRN
Expert Gardener	All Purpose Plant Food	6-10-10	Non-compliant	Non-compliant	Not 50% SRN
Expert Gardener	All Purpose Water Soluble Plant Food	24-8-16	Compliant	Non-compliant	Liquid application
Expert Gardener	All-Purpose Plant Food	5-4-4	Compliant	Non-compliant	
Expert Gardener	Azalea, Camellia, Gardina Special	5-4-4	Compliant	Non-compliant	
Expert Gardener	Citrus Food	6-4-6	Non-compliant	Non-compliant	Not 50% SRN
Expert Gardener	Fast Green Lawn Food	26-0-2	Non-compliant	Non-compliant	Not 50% SRN
Expert Gardener	Fast Green Lawn Food	27-0-5	Non-compliant	Non-compliant	Not 50% SRN
Expert Gardener	Flower Food	4-5-3	Compliant	Non-compliant	
Expert Gardener	Indoor & Outdoor Plant Food	19-6-12	Compliant	Non-compliant	
Expert Gardener	Lawn Fertilizer	29-0-4	Non-compliant	Non-compliant	Not 50% SRN
Expert Gardener	Lawn Starter Fertilizer	12-25-4	Non-compliant	Non-compliant	Not 50% SRN
Expert Gardener	Lawn Starter Liquid	5-15-10	Compliant	Non-compliant	Liquid application
Expert Gardener	Liquid Plant Food	15-30-15	Compliant	Non-compliant	Liquid application
Expert Gardener	Organics Flower Food	4-5-3	Compliant	Non-compliant	
Expert Gardener	Organics Vegetable and Tomato Food	3-5-6	Compliant	Non-compliant	
Expert Gardener	Palm & Ornamental Plant Food	9-12-12	Non-compliant	Non-compliant	Not 50% SRN
Expert Gardener	Plant Food	24-8-16	Compliant	Non-compliant	



Brand Name	Product Name	N-P-K	Oct 1 - May 31	June 1- Sept 30	
Expert Gardener	Rose Plant Food	12-6-10	Non-compliant	Non-compliant	Not 50% SRN
Expert Gardener	Tomato & Vegetable Plant Food	9-12-11	Non-compliant	Non-compliant	Not 50% SRN
Expert Gardener	Ultra Lawn Fertilizer	29-0-9	Compliant	Non-compliant	
Expert Gardener	Ultra Southern Weed & Feed for Centipede & St. Augustine	29-0-10	Compliant	Non-compliant	
Expert Gardener	Weed & Feed for Centipede & St. Augustine	29-0-10	Non-compliant	Non-compliant	Not 50% SRN
Expert Gardener	Weed & Feed Liquid	15-0-4	Compliant	Non-compliant	Liquid application
Fertilome	Acid Loving Water Soluble Plant Food	31-11-11	Compliant	Non-compliant	
Fertilome	All Seasons Lawn Food Plus Crabgrass and Weed Preventor	16-0-8	Non-compliant	Non-compliant	Not 50% SRN
Fertilome	A-Vert Plus Lawn Food	18-0-12	Non-compliant	Non-compliant	Not 50% SRN
Fertilome	Azalea, Camellia, Rhododendron Food	9-15-13	Non-compliant	Non-compliant	Not 50% SRN
Fertilome	Azalea/Evergreen Food Plus with Systemic	9-15-13	Non-compliant	Non-compliant	Not 50% SRN
Fertilome	Bedding Plant Food	7-22-8	Non-compliant	Non-compliant	Not 50% SRN
Fertilome	Blooming and Rooting Soluble Plant Food	9-58-8	Compliant	Non-compliant	
Fertilome	Bougainvillea and Flowering Vine Food	17-7-10	Non-compliant	Non-compliant	Not 50% SRN
Fertilome	Centipede Lawn Fertilizer	15-0-15	Non-compliant	Non-compliant	Not 50% SRN
Fertilome	Centipede Weed and Feed	15-0-15	Non-compliant	Non-compliant	Not 50% SRN
Fertilome	Classic Lawn Food	16-0-8	Non-compliant	Non-compliant	Not 50% SRN
Fertilome	Crabgrass Preventer Plus Lawn Food	20-0-3	Non-compliant	Non-compliant	Not 50% SRN
Fertilome	Evergreen Food	9-15-13	Non-compliant	Non-compliant	Not 50% SRN
Fertilome	Fruit, Citrus, and Pecan Tree Food	19-10-5	Non-compliant	Non-compliant	Not 50% SRN
Fertilome	Garden Cote 6	12-12-12	Compliant	Non-compliant	
Fertilome	Gardener's Special	11-15-11	Compliant	Non-compliant	
Fertilome	Geranium, Hanging Basket and Pansy Plant Food	20-20-20	Compliant	Non-compliant	Liquid application
Fertilome	Green Maker	18-0-6	Non-compliant	Non-compliant	Not 50% SRN
Fertilome	Lawn Food Plus Iron	24-0-4	Non-compliant	Non-compliant	Not 50% SRN
Fertilome	New Lawn Starter Fertilizer	9-13-7	Non-compliant	Non-compliant	Not 50% SRN
Fertilome	Palm Tree Food with Systemic	8-6-6	Non-compliant	Non-compliant	Not 50% SRN
Fertilome	Premium Bedding Plant Food	7/22/8	Non-compliant	Non-compliant	Not 50% SRN
Fertilome	Pro-Green Lawn Tonic	16-0-0	Non-compliant	Non-compliant	Not 50% SRN
Fertilome	Root Stimulator and Plant Starter Solution	4-10-3	Compliant	Non-compliant	
Fertilome	Rose and Flower Food with Systemic	14-12-11	Non-compliant	Non-compliant	Not 50% SRN
Fertilome	Rose Food	14-12-11	Non-compliant	Non-compliant	Not 50% SRN
Fertilome	Soil Acidifier Plus Iron	0-0-0	Compliant	Compliant	No N or P
Fertilome	St. Augustine Weed and Feed	20-0-4	Non-compliant	Non-compliant	Not 50% SRN
Fertilome	St. Augustine Weed and Feed	15-0-4	Non-compliant	Non-compliant	Not 50% SRN
Fertilome	Start-N-Grow Premium Plant Food	19-6-12	Compliant	Non-compliant	
Fertilome	Tomato and Vegetable Food	7-22-8	Non-compliant	Non-compliant	Not 50% SRN
Fertilome	Tree and Shrub	19-8-10	Non-compliant	Non-compliant	Not 50% SRN
Fertilome	Weed Free Zone Plus Lawn Fertilizer	18-0-6	Non-compliant	Non-compliant	Not 50% SRN
Fertilome	Weed-Out Plus Lawn Fertilizer	25-0-4	Non-compliant	Non-compliant	Not 50% SRN
Fertilome	Winterizer and Weed Preventer II with dimension	10-0-14	Non-compliant	Non-compliant	Not 50% SRN
Fertilome	Winterizer for Established Lawns	10-0-14	Non-compliant	Non-compliant	Not 50% SRN

Brand Name	Product Name	N-P-K	Oct 1 - May 31	June 1- Sept 30	
Fertilome	Winterizer for Established Lawns	25-0-6	Non-compliant	Non-compliant	Not 50% SRN
Fertrell	No Phos	4-0-4	Compliant	Non-compliant	
Florida's Finest	17-4-11	17-4-11	Compliant	Non-compliant	
Florida's Finest	Azalea, Camellia, Gardina Special	7-0-8	Compliant	Non-compliant	
Florida's Finest	Citrus Special	4-0-8	Compliant	Non-compliant	
Florida's Finest	Fall Conditioner	2-0-10	Compliant	Non-compliant	
Florida's Finest	Fruit and Vegetable Fertilizer	6-6-6	Compliant	Non-compliant	
Florida's Finest	Palm & Ixora Special	7-0-7	Compliant	Non-compliant	
Florida's Finest	Palm & Ornamental Special	8-0-12	Compliant	Non-compliant	
Florida's Finest	St. Augustine Special	16-0-8	Compliant	Non-compliant	
Florida's Finest	Tree & Shrub Special	8-0-8	Compliant	Non-compliant	
Florida's Finest	Tree, Shrub, & Palm	0-0-16	Compliant	Compliant	No N or P
Florikan	Aerification T90	0-0-49	Compliant	Compliant	No N or P
Florikan	Florikote	0-0-20	Compliant	Compliant	No N or P
Florikan	Florikote	0-0-48	Compliant	Compliant	No N or P
Florikan	Florikote	0-0-58	Compliant	Compliant	No N or P
Florikan	Iron Chelate 0-0-0+5 Iron	0-0-0	Compliant	Compliant	No N or P
Florikan	Iron Sulfate 0-0-0+28 Iron	0-0-0	Compliant	Compliant	No N or P
Florikan	Mag-Sulf T180	0-0-0	Compliant	Compliant	No N or P
Florikan	Mag-Sulf T270	0-0-0	Compliant	Compliant	No N or P
Florikan	Meg-Iron V	0-0-0	Compliant	Compliant	No N or P
Florikan	MG-EMJEO Magnesium Sulfate	0-0-0	Compliant	Compliant	No N or P
Florikan	Summer Safe	0-0-16	Compliant	Compliant	No N or P
Florikan	SunTrace Fe/Mg	0-0-0	Compliant	Compliant	No N or P
Florikan	SunTrace Total	0-0-0	Compliant	Compliant	No N or P
Fox Farm	Happy Frog All-Purpose Fertilizer	5-5-5	Compliant	Non-compliant	
Fox Farm	Happy Frog Acid Loving Plants	6-4-4	Compliant	Non-compliant	
Fox Farm	Happy Frog Bat Guano Fertilizer	0-5-0	Compliant	Non-compliant	Liquid application
Fox Farm	Happy Frog Bulb Food	3-8-8	Compliant	Non-compliant	
Fox Farm	Happy Frog Rose Food	4-4-5	Compliant	Non-compliant	
Fox Farm	Happy Frog Fruits and Flowers	5-8-4	Compliant	Non-compliant	
Fox Farm	Happy Frog Marine Cuisine	10-7-7	Non-compliant	Non-compliant	Not 50% SRN
Frotify	Garden Fertilizer	5-10-5	Non-compliant	Non-compliant	Not 50% SRN
Good Dirt	All Purpose Plant Food	10-4-3	Compliant	Non-compliant	Liquid application
Green World Path	Eco Plus Soil Amendment	0-0-0	Compliant	Compliant	No N or P
Green World Path	MineralPlex	0-0-0	Compliant	Compliant	No N or P
Green World Path	Total 1-1-2 fertilizer	1-1-2	Compliant	Non-compliant	
Greenlight	Acidifier and Liquid Iron	0-0-0	Compliant	Compliant	No N or P
Greenlight	Super Bloom	12-55-6	Compliant	Non-compliant	Liquid application
Grow More	Cactus Juice	1-7-6	Compliant	Non-compliant	Liquid application
Growers Fertilizer	16-2-8	16-2-8	Compliant	Non-compliant	
Growers Fertilizer	18-2-18	18-2-18	Compliant	Non-compliant	



Brand Name	Product Name	N-P-K	Oct 1 - May 31	June 1- Sept 30	
Growers Fertilizer	20-0-10	20-0-10	Compliant	Non-compliant	
Growth Products	BioNutrients Soluble	8-0-9	Compliant	Non-compliant	
Growth Products	Essential Plus	1-0-1	Compliant	Non-compliant	
Growth Products	Iron Max Ac	15-0-0	Compliant	Non-compliant	
Growth Products	Nitro-30	30-0-0	Compliant	Non-compliant	
Harrells	19-0-19	19-0-19	Compliant	Non-compliant	Custom blends for turf professionals-not available retail
Harrells	26-0-13	26-0-13	Compliant	Non-compliant	Custom blends for turf professionals-not available retail
Harrells	30-0-8	30-0-8	Compliant	Non-compliant	Custom blends for turf professionals-not available retail
Helena	0-0-22	0-0-22	Compliant	Compliant	No N or P
Helena	0-0-61	0-0-61	Compliant	Compliant	No N or P
Helena	24-0-11	24-0-11	Compliant	Non-compliant	
Hi-Yeild	All Purpose	6-7-7	Non-compliant	Non-compliant	Not 50% SRN
Hi-Yeild	Azalea, Camellia, Gardenia, Evergreen	4-8-8	Non-compliant	Non-compliant	Not 50% SRN
Hi-Yeild	Dutch Bulb Food	7-8-5	Non-compliant	Non-compliant	Not 50% SRN
Hi-Yeild	Garden Fertilizer	8-10-8	Non-compliant	Non-compliant	Not 50% SRN
Hi-Yeild	Growers Special	12-6-6	Compliant	Non-compliant	
Hi-Yeild	Lawn Fertilizer	15-5-10	Non-compliant	Non-compliant	Not 50% SRN
Hi-Yeild	New Process Premium Lawn Fertilizer	15-5-10	Non-compliant	Non-compliant	Not 50% SRN
Hi-Yeild	Rose Fertilizer	6-8-6	Non-compliant	Non-compliant	Not 50% SRN
Hi-Yeild	Tomato and Vegetable Food	4-10-6	Non-compliant	Non-compliant	Not 50% SRN
Holland	Bulb Booster	9-9-6	Compliant	Non-compliant	
Howard	0-0-10	0-0-10	Compliant	Compliant	Custom blends for turf professionals
Howard	0-0-18 (liquid)	0-0-18	Compliant	Compliant	Custom blends for turf professionals
Howard	15-0-15	15-0-15	Compliant	Non-compliant	
Howard	16-0-8	16-0-8	Compliant	Non-compliant	
Howard	20-0-10	20-0-10	Compliant	Non-compliant	
Howard	20-0-6	20-0-6	Compliant	Non-compliant	
Howard	MicroSTART60	7-2-2	Compliant	Non-compliant	Not compost, dehydrated, compressed and pasturized
Hydrofarm	Superthrive	0-0-0	Compliant	Compliant	No N or P
Hyponex	All-Purpose	10-10-10	Non-compliant	Non-compliant	Not 50% SRN
Ironite	1-0-1 (50% SRN Formulation)	1-0-1	Compliant	Non-compliant	other non-compliant formulation exists
Ironite	1-0-1 (Non-50% SRN Formulation)	1-0-1	Non-compliant	Non-compliant	Not 50% SRN

Brand Name	Product Name	N-P-K	Oct 1 - May 31	June 1- Sept 30	Notes
Ironite	Ironite Plus 12-10-10	12-10-10	Non-compliant	Non-compliant	Not 50% SRN
Ironite	Ironite Plus 7-6-6	7-6-6	Non-compliant	Non-compliant	Not 50% SRN
Ironite	Ironite Plus Liquid Lawn & Garden Spray	6-2-1	Compliant	Non-compliant	Liquid application
Ironite	Ironite with 1% Iron Liquid Lawn & Garden Spray	7-0-1	Compliant	Non-compliant	Liquid application
Jobe's	Essentials Weed & Feed Liquid	5-0-0	Compliant	Non-compliant	
Jobe's	Fast Start	4-4-2	Compliant	Non-compliant	
Jobe's	Herloom Tomato Food	3-5-3	Compliant	Non-compliant	
Jobe's	Organics All Purpose	4-4-4	Compliant	Non-compliant	
Jobe's	Organics All Purpose Liquid Plant Food	1-1-1	Compliant	Non-compliant	Liquid application
Jobe's	Organics All Purpose Spikes	4-4-4	Compliant	Non-compliant	
Jobe's	Organics All Purpose Water Soluble	5-2-3	Compliant	Non-compliant	Liquid application
Jobe's	Organics Annuals & Perennials	3-5-4	Compliant	Non-compliant	
Jobe's	Organics Azalea, Camelia, Rhododendron	4-3-4	Compliant	Non-compliant	
Jobe's	Organics Bursting Blooms	6-1-1	Compliant	Non-compliant	
Jobe's	Organics Bursting Blooms Water Soluble	3-3-3	Compliant	Non-compliant	Liquid application
Jobe's	Organics Container & Bedding Plants Tree Spikes	3-5-6	Compliant	Non-compliant	
Jobe's	Organics Container Grown Fruit and Citrus Tree Spikes	3-5-5	Compliant	Non-compliant	
Jobe's	Organics Fertilizer Spikes, Trees & Shrubs	5-5-5	Compliant	Non-compliant	
Jobe's	Organics Fruit & Citrus	3-5-5	Compliant	Non-compliant	
Jobe's	Organics Fruit & Citrus	4-6-6	Compliant	Non-compliant	
Jobe's	Organics Fruit & Citrus Tree Spikes	2-3-5	Compliant	Non-compliant	
Jobe's	Organics Herb	4-3-3	Compliant	Non-compliant	
Jobe's	Organics Holly, Azalea, & Rododendron	6-1-1	Compliant	Non-compliant	Liquid application
Jobe's	Organics Knockout Rose	3-4-3	Compliant	Non-compliant	
Jobe's	Organics Knockout Rose Food	4-3-3	Compliant	Non-compliant	
Jobe's	Organics Palm Granular Plant Food	4-2-4	Compliant	Non-compliant	
Jobe's	Organics Roses & Flowering Shrubs Spikes	3-5-3	Compliant	Non-compliant	
Jobe's	Organics Slow Release Plant Food Annuals & Perennials	2-3-3	Compliant	Non-compliant	
Jobe's	Organics Slow Release Plant Food Vegetable & Tomato	2-3-4	Compliant	Non-compliant	
Jobe's	Organics Trees, Shrubs & Evergreens Tre Spikes	8-2-2	Compliant	Non-compliant	
Jobe's	Organics Vegetable and Tomato	2-5-3	Compliant	Non-compliant	
Jobe's	Organics Vegetable and Tomato	2-7-4	Compliant	Non-compliant	
Jobe's	Organics Vegetable and Tomato	3-5-6	Compliant	Non-compliant	
Jobe's	Organics Vegetables Spikes	2-7-4	Compliant	Non-compliant	
Jobe's	Palm Spikes	10-5-10	Compliant	Non-compliant	
Jobe's	Phosphorous - Free Lawn Food	7-0-3	Compliant	Non-compliant	
Jobe's	Science and Nature, All Purpose	8-8-8	Compliant	Non-compliant	
Jobe's	Science and Nature, Bulb Plant Food	3-10-10	Non-compliant	Non-compliant	Not 50% SRN
Jobe's	Science and Nature, Tomato and Vegetables	10-8-4	Compliant	Non-compliant	
Jobe's	Spikes for Beautiful Flowering Plants	10-10-4	Compliant	Non-compliant	
Jobe's	Organics Orchids Water Soluble Plant Food	6-1-1	Compliant	Non-compliant	
Jobe's	Spikes House Plant	13-4-5	Complaint	Non-compliant	



Brand Name	Product Name	N-P-K	Oct 1 - May 31	June 1- Sept 30	
Jobe's	Spikes Potted Plants & Hanning Baskets	8-9-12	Compliant	Non-compliant	
Jobe's	Azaleas, Camillas, Rododendons Spikes	9-8-7	Non-compliant	Non-compliant	Not 50% SRN
Jobe's	Evergreen Spikes	16-4-4	Non-compliant	Non-compliant	Not 50% SRN
Jobe's	Fertilizer Tablets	16-8-4	Non-compliant	Non-compliant	Not 50% SRN
Jobe's	Fruit and Citrus Spikes	9-12-12	Non-compliant	Non-compliant	Not 50% SRN
Jobe's	Organics Berry	4-4-3	Compliant	Non-compliant	
Jobe's	Organics Lawn Food	10-0-2	Non-compliant	Non-compliant	Not 50% SRN
Jobe's	Roses Spikes	9-12-9	Non-compliant	Non-compliant	Not 50% SRN
Jobe's	Tomato Spikes	6-18-6	Non-compliant	Non-compliant	Not 50% SRN
Jobe's	Tree and Shrub Spikes	16-4-4	Non-compliant	Non-compliant	Not 50% SRN
Kgro	All Purpose Flower & Vegetable Plant Food	10-10-10	Non-compliant	Non-compliant	Not 50% SRN
Kgro	All Purpose Plant Food	12-30-15	Compliant	Non-compliant	Liquid application
Kgro	All Purpose Plant Food, Water Soluble	15-30-15	Compliant	Non-compliant	Liquid application
Kgro	Rose & Bloom Plant Food	12-4-8	Non-compliant	Non-compliant	Not 50% SRN
Kgro	Weed Prevernter & Plant Food	9-17-9	Non-compliant	Non-compliant	Not 50% SRN
Lesco	0-0-24	0-0-24	Compliant	Compliant	No N or P
Lesco	0-0-28	0-0-28	Compliant	Compliant	No N or P
Lesco	10-0-20 50%SRN or greater formulations	10-0-20	Compliant	Non-compliant	
Lesco	13-0-13 50%SRN or greater formulations	13-0-13	Compliant	Non-compliant	
Lesco	15-0-15 50%SRN or greater formulations	15-0-15	Compliant	Non-compliant	
Lesco	16-0-8 50%SRN or greater formulations	16-0-8	Compliant	Non-compliant	
Lesco	19-0-19 50%SRN or greater formulations	19-0-19	Compliant	Non-compliant	
Lesco	19-0-8 50%SRN or greater formulations	19-0-8	Compliant	Non-compliant	
Lesco	20-0-10 50%SRN or greater formulations	20-0-10	Compliant	Non-compliant	
Lesco	20-0-10+Atrazine 50%SRN or greater formulations	20-0-10	Compliant	Non-compliant	
Lesco	20-2-10 50%SRN or greater formulations	20-2-10	Compliant	Non-compliant	
Lesco	21-0-10+Talstar 50%SRN or greater formulations	21-0-10	Compliant	Non-compliant	
Lesco	24-0-11 50%SRN or greater formulations	24-0-11	Compliant	Non-compliant	
Lesco	24-0-8 50%SRN or greater formulations	24-0-8	Compliant	Non-compliant	
Lesco	30-0-10 50%SRN or greater formulations	30-0-10	Compliant	Non-compliant	
Lesco	8-0-10 50%SRN or greater formulations	8-0-10	Compliant	Non-compliant	
Light Green	Super Bloom	12-55-6	Complaint	Non-compliant	Liquid application
Lilly Miller	All Purpose	16-16-16	Non-compliant	Non-compliant	Not 50% SRN
Lilly Miller	All Purpose Planting & Growing Food	10-10-10	Non-compliant	Non-compliant	Not 50% SRN
Lilly Miller	Vitamin B1 Plant Starter	0-0-0	Compliant	Compliant	No N or P
Lilly Miller	Vita-Start	3-8-4	Compliant	Non-compliant	Liquid application
Lutz	Magnesium Spike	0-0-0	Compliant	Compliant	No N or P
Lutz	Maintenance Spike for Maintaining Healthy Palms	0-0-0	Compliant	Compliant	No N or P
Lutz	Manganese Spike	0-0-0	Compliant	Compliant	No N or P
Master Gardener	All Purpose Growth	8-16-8	Compliant	Non-compliant	Liquid application
Member's Mark	Lawn Food	32-0-4	Compliant	Non-compliant	
MightyGrow	Living Organic Fertilizer All-Purpose, Premium Fertilizer	4-3-4	Compliant	Non-compliant	

Brand Name	Product Name	N-P-K	Oct 1 - May 31	June 1- Sept 30	NOTES
Milorganite	Milorganite	6-2-0	Compliant	Non-compliant	
Milorganite	Milorganite	5-2-0	Compliant	Non-compliant	
Miracle Gro	All Purpose Liquid Plant Food	12-4-8	Compliant	Non-compliant	Liquid application
Miracle Gro	All Purpose, Including garden feeder with fertilizer, and Singles	24-8-16	Compliant	Non-compliant	
Miracle Gro	Azaleas, Rhododendrons, Camellias, Acid Loving Plant Food	30-10-10	Compliant	Non-compliant	Liquid application
Miracle Gro	Bloom Booster	15-30-15	Compliant	Non-compliant	Liquid application
Miracle Gro	Blooming Houseplant Food	0.5-1-0.5	Compliant	Non-compliant	
Miracle Gro	Cactus Plant Food	2-7-7	Compliant	Non-compliant	Liquid application
Miracle Gro	Citrus, Avocado & Mango Food	6-4-6	Compliant	Non-compliant	
Miracle Gro	Evergreen Spikes	12-6-12	Non-compliant	Non-compliant	Not 50% SRN
Miracle Gro	Fruit & Citrus Spikes	10-15-15	Non-compliant	Non-compliant	Not 50% SRN
Miracle Gro	Garden Feeder	24-8-16	Compliant	Non-compliant	Liquid Application
Miracle Gro	Houseplant Liquid	8-7-6	Compliant	Non-compliant	
Miracle Gro	Indoor Plant Food Foam	1-1-1	Complaint	Non-compliant	
Miracle Gro	Indoor Plant Food Spikes	6-12-6	Compliant	Non-compliant	
Miracle Gro	Lawn Food	36-6-6	Compliant	Non-compliant	Liquid application
Miracle Gro	Lawn Food Zero Phos	36-0-6	Compliant	Non-compliant	
Miracle Gro	LiquaFeed Advance 1-pack	12-4-8	Compliant	Non-compliant	Liquid application
Miracle Gro	LiquaFeed Bloom Booster 2 pack	12-9-6	Compliant	Non-compliant	Liquid application
Miracle Gro	LiquaFeed Refill Pack	12-4-8	Compliant	Non-compliant	Liquid application
Miracle Gro	LiquaFeed Tomato, Fruits, & Vegetables	9-4-9	Compliant	Non-compliant	
Miracle Gro	Liquid African Violet Plant Food	7-7-7	Compliant	Non-compliant	
Miracle Gro	Natures Care Evergreen & Shrub Plant Food	3-3-6	Compliant	Non-compliant	
Miracle Gro	Natures Care Natural All-Purpose	10-3-6	Compliant	Non-compliant	Liquid application
Miracle Gro	Nature's Care Organic & Natural Raised Bed Plant Food	10-2-8	Compliant	Non-compliant	
Miracle Gro	Nature's Care Organic & Natural Veg, Fruit, & Flower Food	3-4-2	Compliant	Non-compliant	
Miracle Gro	Nature's Care Veg, Fruit, & Flower Food Concentrate	8-0-0	Compliant	Non-compliant	Liquid application
Miracle Gro	Next Generation Garden Feeder	24-8-16	Compliant	Non-compliant	Liquid application
Miracle Gro	Orchid Food For Corchids & All Acid-Loving Plants	30-10-10	Compliant	Non-compliant	Liquid application
Miracle Gro	Orchid Plant Food Mist	10-10-9	Compliant	Non-compliant	
Miracle Gro	Orchid Plant Food Spikes	10-10-10	Compliant	Non-compliant	
Miracle Gro	Organic & Natural Raised Bed Plant Food	10-2-8	Compliant	Non-compliant	
Miracle Gro	Organic & Natural Tropical & Palm Plant Food	4-1-3	Compliant	Non-compliant	
Miracle Gro	Organic Choice	11-2-2	Compliant	Non-compliant	
Miracle Gro	Organic Choice Flowers &Vegetables	7-1-2	Compliant	Non-compliant	
Miracle Gro	Performance Organics All Purpose Plant Nutrition Granules	9-2-7	Compliant	Non-compliant	
Miracle Gro	Performance Organics All Purpose Plant Nutrition Water Soluble	11-3-8	Compliant	Non-compliant	Liquid application
Miracle Gro	Performance Organics Edibles Plant Nutrition Water Soluble	9-4-12	Compliant	Non-compliant	Liquid application
Miracle Gro	Performance Organics Edibles Plant Nutrition Granules	7-6-9	Compliant	Non-compliant	
Miracle Gro	Pour and Feed Plant Food	0.2-0.2-0.2	Compliant	Non-compliant	
Miracle Gro	Pour and Feed Singles Ready-to-Use Plant Food	0.2-0.2-0.2	Compliant	Non-compliant	
Miracle Gro	Quick Start	4-12-4	Compliant	Non-compliant	



Brand Name	Product Name	N-P-K	Oct 1 - May 31	June 1- Sept 30	
Miracle Gro	Quick Start Planting Tablets	3-7-4	Compliant	Non-compliant	
Miracle Gro	Refresh Soil Revitalizer	3-1-2	Compliant	Non-compliant	
Miracle Gro	Rose Food	18-24-16	Compliant	Non-compliant	
Miracle Gro	Rose Plant Food	18-24-16	Compliant	Non-compliant	Liquid application
Miracle Gro	Shake & Feed All Purpose	10-10-10	Compliant	Non-compliant	
Miracle Gro	Shake & Feed Bloom	10-16-10	Compliant	Non-compliant	
Miracle Gro	Shake & Feed Citrus, Avocado & Mango	13-7-13	Compliant	Non-compliant	
Miracle Gro	Shake & Feed Flowering Trees & Shrubs	18-6-12	Compliant	Non-compliant	
Miracle Gro	Shake & Feed Palm Food	8-8-8	Compliant	Non-compliant	
Miracle Gro	Shake & Feed Rose & Boom	10-18-9	Compliant	Non-compliant	
Miracle Gro	Shake N Feed Plus Weed Preventer	10-10-10	Compliant	Non-compliant	
Miracle Gro	Shake 'n Feed Tomato, Fruits & Vegetables	9-4-12	Compliant	Non-compliant	
Miracle Gro	Singles	24-8-16	Compliant	Non-compliant	Liquid application
Miracle Gro	Succulent Plant Food	0.5-1-1	Compliant	Non-compliant	
Miracle Gro	Tomato Food	18-18-21	Compliant	Non-compliant	
Miracle Gro	Tree & Shrub Spikes	15-5-10	Non-compliant	Non-compliant	Not 50% SRN
Miracle Gro	Water Soluble Plant Food Vegetable & Herbs	18-18-21	Compliant	Non-compliant	
Natural Guard	Evergreen and Holly Food	5-4-5	Compliant	Non-compliant	
Natural Guard	Garden and Landscape Plant Food with Humates	5-1-5	Compliant	Non-compliant	
Natural Guard	Lawn Food	8-0-4	Compliant	Non-compliant	
Natural Guard	Organic Plant Food	6-2-4	Compliant	Non-compliant	
Natural Guard	Plant Food	6-2-4	Compliant	Non-compliant	
Natural Guard	Tomato and Vegetable	4-4-5	Compliant	Non-compliant	
Naturali Pro	Hotfire	?-?-?	Compliant	Non-compliant	Considered an all purpose organic fertilizer
NitroGreen	Lawn Fertilizer	16-0-8	Compliant	Non-compliant	
OceanGrown, Inc.	OceanSolution N-P Free	0-0-2	Compliant	Compliant	No N or P
Ortho	Rose & Flower, Insect Control Plus Miracle Gro	7-9-7	Compliant	Non-compliant	
Osmocote	Flower & Vegetable	14-14-14	Compliant	Non-compliant	
Osmocote	Outdoor & Indoor Plant Food	19-6-12	Compliant	Non-compliant	
Osmocote	Plus Plant Food	15-9-12	Compliant	Non-compliant	
Osmocote	Pot Shots	15-8-11	Compliant	Non-compliant	
Peggy Green	Flower Minerals	0-0-0	Compliant	Compliant	No N or P
Peggy Green	Garden Minerals	0-0-0	Compliant	Compliant	No N or P
Peggy Green	Grass Minerals	0-0-12	Compliant	Compliant	No N or P
Pennington	Centipede & St. Augustine Food	18-0-18	Need Labels	Need Labels	Unknown Compliance
Pennington	Lawn Starter Fertilizer	18-24-6	Need Labels	Need Labels	Unknown Compliance
Pennington	PennGreen Carolina Special	16-4-8	Need Labels	Need Labels	Unknown Compliance
Pennington	Signature Series Crabgrass Preventer + Lawn Fertilizer	16-0-3	Need Labels	Need Labels	Unknown Compliance
Pennington	Signature Series Lawn Fertilizer	29-0-5	Need Labels	Need Labels	Unknown Compliance
Pennington	Smart 1 Feed All Purpose Fertilizer	12-5-7	Compliant	Non-compliant	
Pennington	Smart 1 Feed Azalea, Camellia and Rodedendron	10-8-8	Compliant	Non-compliant	

Brand Name	Product Name	N-P-K	Oct 1 - May 31	June 1- Sept 30	Notes
Pennington	Smart 1 Feed Bulb and Bloom	10-20-10	Compliant	Non-compliant	
Pennington	Smart 1 Feed Citrus and Avocado	13-4-13	Compliant	Non-compliant	
Pennington	Smart 1 Feed Rose & Flower Fertilizer	12-8-8	Compliant	Non-compliant	
Pennington	Smart Feed All Purpose	24-8-16	Complaint	Non-compliant	Liquid application
Pennington	Smart Feed Flower and Bloom	10-32-20	Complaint	Non-compliant	Liquid application
Pennington	Smart Feed Tomato	20-20-20	Compliant	Non-compliant	
Pennington	UltraGreen Azalea, Camellia, & Rhododendron Plant Food	10-8-6	Non-compliant	Non-compliant	Not 50% SRN
Pennington	UltraGreen, All Purpose Plant Food	10-10-10	Need Labels	Need Labels	Unknown Compliance
Pennington	UltraGreen, Citrus & Avocado Plant Food	10-5-5	Need Labels	Need Labels	Unknown Compliance
Pennington	UltraGreen, Colorblooms & Bulbs Plant Food	15-10-10	Non-compliant	Non-compliant	Not 50% SRN
Pennington	UltraGreen, Palm Tree & Hibiscus Plant Food	9-4-9	Non-compliant	Non-compliant	Not 50% SRN
Pennington	UltraGreen, Southern Weed & Feed	34-0-4	Complaint	Non-compliant	
Preen	Lawn Crabgrass Preventer	0-0-7	Compliant	Compliant	No N or P
Preen	Garden Weed Preventer Plus Plant Food	9-12-9	Non-compliant	Non-compliant	Not 50% SRN
Preen	Southern Weed Preventer Plus Plant Food	6-8-6	Non-compliant	Non-compliant	Not 50% SRN
Purely Organics	Tomato and Vegetable Food	8-8-8	Non-compliant	Non-compliant	Not 50% SRN
Rite Green	6-6-6	6-6-6	Non-compliant	Non-compliant	Not 50% SRN
Rite Green	Bahia Weed and Feed 16 lb	17-0-6	Non-compliant	Non-compliant	Not 50% SRN
Rite Green	Citrus, Mango, & Avocado	4-6-8	Compliant	Non-compliant	
Rite Green	Palm Fertilizer	4-1-6	Compliant	Non-compliant	
Rite Green	Rite Green	10-0-10	Non-compliant	Non-compliant	Not 50% SRN
Rite Green	Rite Green	13-0-13	Non-compliant	Non-compliant	Not 50% SRN
Rite Green	Rite Green	8-0-8	Non-compliant	Non-compliant	Not 50% SRN
Rite Green	Rite Green	16-0-8	Non-compliant	Non-compliant	Not 50% SRN
Rite Green	St. Augustine Weed and Feed 20lb	14-0-6	Non-compliant	Non-compliant	Not 50% SRN
Rite Green	Vegetable Garden Fertilizer	10-10-10	Compliant	Non-compliant	
Safer Organics	Ringer Lawn Restore	10-2-6	Compliant	Non-compliant	
Schultz	Super 21-0-0	21-0-0	Non-compliant	Non-compliant	Not 50% SRN
Schultz	Super All-Purpose Garden Fertilizer	10-10-10	Non-compliant	Non-compliant	Not 50% SRN
Schultz	Super All-Purpose Garden Fertilizer	6-6-6	Non-compliant	Non-compliant	Not 50% SRN
Schultz	African Violet Plus	8-14-9	Compliant	Non-compliant	
Schultz	All Purpose Liquid Plant Food	10-15-10	Compliant	Non-compliant	Liquid application
Scotts	Bonus S Florida Weed & Feed	28-0-14	Compliant	Non-compliant	Reformulated to meet 50%SRN
Scotts	Bonus S Southern Weed & Feed <sub>F2</sub>				
Scotts	Bonus S Southern Weed & Feed <sub>2</sub>	29-0-10	Compliant	Non-compliant	
Scotts	EZ-Patch St. Augustine	2-0-0	Compliant	Non-compliant	
Scotts	Green Max Lawn Food <sub>F</sub>	33-2-4	Compliant	Non-compliant	
Scotts	Green Max Lawn Food <sub>F</sub>	33-0-2	Compliant	Non-compliant	
Scotts	Lawn Response	0-0-4	Compliant	Compliant	No N or P
Scotts	Liquid Turf Builder	29-0-3	Compliant	Non-compliant	Liquid application



Brand Name	Product Name	N-P-K	Oct 1 - May 31	June 1- Sept 30	
Scotts	Liquid Turf Builder	29-2-3	Compliant	Non-compliant	Liquid application
Scotts	Liquid Turf Builder with Plus 2 Weed Control	25-0-2	Compliant	Non-compliant	Liquid application
Scotts	Natural Lawn Food	11-2-2	Compliant	Non-compliant	
Scotts	Sea	0-0-2	Compliant	Compliant	No N or P
Scotts	Snap Pac Southern Lawn Food	16-0-4	Compliant	Non-compliant	
Scotts	Snap Pac Southern Lawn Food	26-0-4	Compliant	Non-compliant	
Scotts	Turf Builder - Florida Lawn Food	28-0-14	Compliant	Non-compliant	Reformulated to meet 50%SRN
Scotts	Turf Builder - Southern Lawn Food	32-0-10	Compliant	Non-compliant	
Scotts	Turf Builder Southern Triple Action	29-0-10	Compliant	Non-compliant	
Scotts	Turf Builder Starter Food For New Grass F	22-24-4	Compliant	Non-compliant	
Scotts	Turf Builder Thick'R Lawn	9-1-1	Compliant	Non-compliant	Seed mix, mainly fertilizer
Scotts	Turf Builder Ultrafeed	45-0-5	Compliant	Non-compliant	
Scotts	All Purpose Flower & Vegetable	10-10-10	Compliant	Non-compliant	
Scotts	Evergreen, Flowering Tree & Shrub	11-7-7	Non-compliant	Non-compliant	Not 50% SRN
Scotts	Southern Lawn Food (some formulations)	32-0-10	Non-compliant	Non-compliant	Not 50% SRN
Scotts	Super Turf Builder - Lawn Food	32-2-8	Non-compliant	Non-compliant	Not 50% SRN
Scotts	Turf Builder Lawn Food (some formulations)	32-0-4	Non-compliant	Non-compliant	Not 50% SRN
Scotts	Turf Builder UltraFeed	40-0-5	Compliant	Non-compliant	
Scotts	Zero P Turf Builder +2 Weed Control		Need Labels	Need Labels	Unknown Compliance
Schultz	Cactus Plus	2-7-7	Compliant	Non-compliant	Liquid application
Schultz	Plant Food Plus, All Purpose	10-15-10	Compliant	Non-compliant	Liquid application
Schultz	Starter Plus	5-10-5	Compliant	Non-compliant	Liquid application
SingleApp	Southern Fertilizer	37-0-4	Compliant	Non-compliant	
Soil Gourmet	Finisher	0-0-20	Compliant	Compliant	No N or P
Soil Gourmet	Fish Fertilizer	2-3-1	Compliant	Non-compliant	Liquid application
Soil Gourmet	Foliar Gourmet	18-0-2	Compliant	Non-compliant	Liquid application
Soil Gourmet	Main Course	8-8-8	Compliant	Non-compliant	Liquid application
Soil Gourmet	Soil Enhancer	0-0-0	Compliant	Compliant	No N or P
Soil Gourmet	Starter	2-18-12	Compliant	Non-compliant	Liquid application
Southern Ag	0-0-14	0-0-14	Compliant	Compliant	No N or P
Southern Ag	10-30-20 Start, Root & Bloom	10-30-10	Compliant	Non-compliant	Liquid application
Southern Ag	14-14-14 Controlled-Release Fertilizer	14-14-14	Compliant	Non-compliant	
Southern Ag	16-2-8	16-2-8	Compliant	Non-compliant	
Southern Ag	18-2-18	18-2-18	Compliant	Non-compliant	
Southern Ag	20-2-10	20-2-10	Compliant	Non-compliant	
Southern Ag	30-10-10 MaxAcid Soil Acidifying Water Soluble Fertilizer	30-10-10	Compliant	Non-compliant	Liquid Application
Southern Ag	8-0-12	8-0-12	Compliant	Non-compliant	
Southern Ag	All Purpose	8-10-9	Non-compliant	Non-compliant	Not 50% SRN
Southern Ag	Chelated Citrus Nutritional Spray	0-0-1	Compliant	Compliant	No N or P
Southern Ag	Chelated General Purpose Minor Element Spray	0-0-2	Compliant	Compliant	No N or P
Southern Ag	Chelated Liquid Iron	0-0-3	Compliant	Compliant	No N or P
Southern Ag	Chelated Palm Nutritional	0-0-4	Compliant	Compliant	No N or P

Brand Name	Product Name	N-P-K	Oct 1 - May 31	June 1- Sept 30	Notes
Southern Ag	Essential Minor Elements	0-0-5	Compliant	Compliant	No N or P
Southern Ag	Landscape	8-10-10	Non-compliant	Non-compliant	Not 50% SRN
Southern Ag	Stop Blossom-end Rot of Tomatoes	0-0-10	Compliant	Compliant	No N or P
Spectracide	Immunox 3-in-1 Insect and Disease Control Plus Fertilizer	0.2-0.2-0.2	Compliant	Non-compliant	Liquid application
Spectracide	Weed & Feed	20-0-0	Compliant	Non-compliant	Liquid application
Spray Green	Spray Green Fertilizer	6-0.5-2	Compliant	Non-compliant	Liquid application, commercial applicators only
Sta-Green	All-Prupose Water Soluble Plant Food	24-8-16	Compliant	Non-compliant	Liquid application
Sta-Green	Boost Pacs	20-20-20	Compliant	Non-compliant	Liquid application
Sta-Green	Indoor & Outdoor All Purpose Plant Food	19-6-12	Compliant	Non-compliant	
Sta-Green	Lawn Fertilizer	29-0-5	Non-compliant	Non-compliant	Not 50% SRN
Sta-Green	Lawn Fertilizer Plus	29-0-5	Compliant	Non-compliant	
Sta-Green	Southern Weed & Feed for Centipede & St. Augustine Lawns	20-0-5	Need Labels	Need Labels	Unknown Compliance
Sta-Green	Southern Weed & Feed Plus	29-0-10	Compliant	Non-compliant	
Sta-Green	Weed & Feed	20-0-0	Compliant	Non-compliant	Liquid application
Sunniland	6-6-6 Garden Fertilizer	6-6-6	Compliant	Non-compliant	
Sunniland	All Natural Slow Release Fertilizer	6-4-0	Compliant	Non-compliant	
Sunniland	All Purpose 6-6-6	6-6-6	Compliant	Non-compliant	
Sunniland	Azalea, Camellia & Gardiania	8-4-8	Compliant	Non-compliant	
Sunniland	Azalea, Camellia & Gardiania (20 lb. Only)	8-4-8	Non-compliant	Non-compliant	
Sunniland	Bahia Weed & Feed	20-0-6	Compliant	Non-compliant	
Sunniland	Bloom Special	2-10-10	Compliant	Non-compliant	
Sunniland	Citrus, Avocado & Mango	6-4-6	Compliant	Non-compliant	
Sunniland	Liquid Iron	0-0-0	Compliant	Compliant	No N or P
Sunniland	Nitro Green Lawn Fertilizer	16-0-8	Compliant	Non-compliant	
Sunniland	Palm Fertilizer	6-1-8	Compliant	Non-compliant	
Sunniland	Pre-Plant	0.5-0-0.5	Compliant	Non-compliant	
Sunniland	Professional Tree Shrub and Ornamental Fertilizer	8-0-10	Compliant	Non-compliant	
Sunniland	Professional Turf Fertilizer	24-0-11	Compliant	Non-compliant	
Sunniland	Professional Turf Fertilizer	16-0-8	Compliant	Non-compliant	
Sunniland	Professional Turf Fertilizer with Insect control	15-0-15	Compliant	Non-compliant	
Sunniland	Professional Weed & Feed	16-0-8	Compliant	Non-compliant	
Sunniland	Professional Weed & Feed	20-0-6	Compliant	Non-compliant	
Sunniland	Sodcaster	0.5-0.2-0.5	Compliant	Compliant	composted soil amendment
Sunniland	St.Augustine Weed & Feed	20-0-6	Compliant	Non-compliant	
Sunniland	Super Iron Plus 16.5% Iron 2%Mg 1% Mn	0-0-0	Compliant	Compliant	No N or P
Sunniland	Vegetable	10-10-10	Compliant	Non-compliant	
Superthrive	All Prupose Fertilizer	4-4-4	Compliant	Non-compliant	
Superthrive	Plant Food For All Plants	4-1-1	Compliant	Non-compliant	Liquid application
Superthrive	Plant Food For All Plants, Ready to Use Foliar Spray	0.005-0-0	Compliant	Non-compliant	Liquid application
Superthrive	Superthrive	0.5-0-0	Compliant	Non-compliant	Liquid application
Sure Green	Crape Myrtle Food	12-10-18	Compliant	Non-compliant	



Brand Name	Product Name	N-P-K	Oct 1 - May 31	June 1- Sept 30	
Sustane Products	4-6-4	4-6-4	Compliant	Non-compliant	
Sustane Products	5-2-4	5-2-4	Compliant	Non-compliant	
Sustane Products	8-2-4	8-2-4	Compliant	Non-compliant	
Sustane Products	7-2-20	7-2-20	Compliant	Non-compliant	
Sustane Products	10-2-10+Fe	10-2-10	Compliant	Non-compliant	
Sustane Products	15-3-9	15-3-9	Compliant	Non-compliant	
Sustane Products	18-1-8+Fe	18-1-8	Compliant	Non-compliant	
Sustane Products	5-2-10+Fe	5-2-10	Compliant	Non-compliant	
Sustane Products	5-2-4+Fe	5-2-4	Compliant	Non-compliant	
Sustane Products	All Purpose	5-2-4	Compliant	Non-compliant	
Sustane Products	Flower & Shrub	3-4-2	Compliant	Non-compliant	
Sustane Products	Vegetables	4-6-4	Compliant	Non-compliant	
Synagro	Granulite	5-3-0	Compliant	Non-compliant	
Tara Solutions	Banmax	0-0-7	Compliant	Compliant	No N or P
TurfGro	Professional Fertilizer with Insect Control	15-0-15	Compliant	Non-compliant	
TurfGro	Professional Tree Shrub and Ornamental Fertilizer	8-0-10	Compliant	Non-compliant	
TurfGro	Professional Turf Fertilizer	16-0-8	Compliant	Non-compliant	
TurfGro	Professional Turf Fertilizer	24-0-11	Compliant	Non-compliant	
TurfGro	Professional Weed and Feed St. Augustine	16-0-8	Compliant	Non-compliant	
Ultra Green	All Purpose Plant Food	10-10-10	Non-compliant	Non-compliant	Not 50% SRN
Ultra Green	Azalea, Camilia & Rhododendron Food	10-5-4	Non-compliant	Non-compliant	Not 50% SRN
Ultra Green	Bulb and Bloom Food	4-10-10	Non-compliant	Non-compliant	Not 50% SRN
Ultra Green	Citrus & Avocado	10-6-4	Non-compliant	Non-compliant	No Guaranteed Analysis
Ultra Green	Color Blooms Flowering Plant Food	15-30-15	Non-compliant	Non-compliant	Not 50% SRN
VerdaGro	Sprinkler Sispensed Lawn Fertilizer	18-3-3	Compliant	Non-compliant	
Vigiron	Maglron	0-0-0	Compliant	Compliant	No N or P
Vigoro	All Purpose Plant Food	12-5-7	Compliant	Non-compliant	
Vigoro	All Purpose Water Soluble Plant Food	24-8-16	Compliant	Non-compliant	
Vigoro	Azalea, Camellia, & Rhododendron Plant Food	10-8-8	Compliant	Non-compliant	
Vigoro	Bulb Fuel	9-9-6	Compliant	Non-compliant	
Vigoro	Citrus & Avocado	6-4-6	Non-compliant	Non-compliant	Not 50% SRN
Vigoro	Evergreen Fertilizer Spikes	16-4-8	Non-compliant	Non-compliant	Not 50% SRN
Vigoro	Fruit, Nut & Citrus Fertilizer Spikes	12-5-8	Non-compliant	Non-compliant	Not 50% SRN
Vigoro	Palm & Ixora Fertilizer Spikes	8-4-8	Non-compliant	Non-compliant	Not 50% SRN
Vigoro	Palm and Ixora Food	8-4-8	Non-compliant	Non-compliant	Not 50% SRN
Vigoro	Rose Food	12-6-10	Non-compliant	Non-compliant	Not 50% SRN
Vigoro	Super Green	35-0-5	Non-compliant	Non-compliant	Not 50% SRN
Vigoro	Tomato & Vegetable	12-10-5	Compliant	Non-compliant	
Vigoro	Tree & Shrub Fertilizer Spikes	12-5-7	Non-compliant	Non-compliant	Not 50% SRN
Vigoro	Tree & Shrub Food	16-4-8	Compliant	Non-compliant	
Vigoro	Ultra All Purpose Plant Food 3 Month	12-5-7	Compliant	Non-compliant	
Vigoro	Weed & Feed for Bahia & Mixed Lawns <sub>II</sub>	28-0-3	Compliant	Non-compliant	

Brand Name	Product Name	N-P-K	Oct 1 - May 31	June 1- Sept 30	
Whitney Farms	Natural All Purpose Liquid Plant Food Concentrate	8-3-5	Compliant	Non-compliant	Liquid application
Whitney Farms	Organic & Natural All Purpose Plant Food	3-4-2	Compliant	Non-compliant	
Whitney Farms	Organic & Natural All Purpose Plant Food	4-2-3	Compliant	Non-compliant	
Whitney Farms	Organic Rose & Flower	3-4-2	Compliant	Non-compliant	
Whitney Farms	Smart Start	2-1-2	Compliant	Non-compliant	
Whitney Farms	Tomato & Vegetable	2-4-2	Compliant	Non-compliant	
Whitwam Organics	Total Plus	6-1-2	Non-compliant	Non-compliant	Not 50% SRN
Worm Magic	Black Sea Kelp	1-1-17	Compliant	Non-compliant	
Worm Magic	Granular Kelp Meal Fertilizer	4-0.1-2.3	Compliant	Non-compliant	
Worm Magic	VermaMax	3-2.8-1.8	Compliant	Non-compliant	
Worm Magic	VermaPlex	0.48-0.01-0.015	Compliant	Non-compliant	