



AGENDA
ENVIRONMENTAL ADVISORY BOARD
CITY OF PORT ORANGE

Meeting Date: Monday, December 2, 2019

Time: 4:00 PM

Type of Meeting: Regular

Location: 2nd Floor Conference Room
City Hall, 1000 City Center Circle

A. CALL TO ORDER

1. Roll Call

B. DISCUSSION/ACTION

2. Consideration of Minutes - October 28, 2019
3. Meeting with Be Floridian Now staff
4. Environmental Summit
5. Ideas for the Spring Expo
6. General Update on Down Under

C. PUBLIC COMMENTS

D. BOARD COMMENTS

E. NEXT MEETING DATE

7. Next Meeting Date: January 27, 2019
8. Items for Next Agenda

F. ADJOURNMENT

ANY PERSON WHO DECIDES TO APPEAL ANY DECISION MADE BY THE **ENVIRONMENTAL ADVISORY BOARD** WILL NEED A RECORD OF THE PROCEEDINGS, AND FOR SUCH PURPOSE HE OR SHE MAY NEED TO ENSURE AT HIS OR HER OWN EXPENSE FOR THE TAKING AND PREPARATION OF A VERBATIM RECORD OF ALL TESTIMONY AND EVIDENCE OF THE PROCEEDINGS UPON WHICH THE APPEAL IS TO BE BASED. NOTE: IF YOU ARE A PERSON WITH A DISABILITY WHO NEEDS AN ACCOMMODATION IN ORDER TO PARTICIPATE IN THIS PROCEEDING, YOU ARE ENTITLED, AT NO COST TO YOU, TO THE PROVISION OF CERTAIN ASSISTANCE. PLEASE CONTACT THE CITY CLERK FOR THE CITY OF PORT ORANGE, 1000 CITY CENTER CIRCLE, PORT ORANGE, FLORIDA 32129, TELEPHONE NUMBER 386-506-5563, CITYCLERK@PORT-ORANGE.ORG, AS FAR IN ADVANCE AS POSSIBLE, BUT PREFERABLY WITHIN 2 WORKING DAYS OF YOUR RECEIPT OF THIS NOTICE OR 5 DAYS PRIOR TO THE MEETING DATE. IF YOU ARE HEARING OR VOICE IMPAIRED, CONTACT THE RELAY OPERATOR AT 7-1-1 or 1-800-955-8771. UPON REQUEST BY A QUALIFIED INDIVIDUAL WITH A DISABILITY, THIS DOCUMENT WILL BE MADE AVAILABLE IN AN ALTERNATE FORMAT. IF YOU NEED TO REQUEST THIS DOCUMENT IN AN ALTERNATE FORMAT, PLEASE CONTACT THE CITY CLERK WHOSE CONTACT INFORMATION IS PROVIDED ABOVE.

ENVIRONMENTAL ADVISORY BOARD
MEETING MINUTES
CITY OF PORT ORANGE
1000 CITY CENTER CIRCLE – CITY HALL
2nd FLOOR CONFERENCE ROOM
PORT ORANGE, FLORIDA
OCTOBER 28, 2019 AT 5:15 P.M.

A Regular Meeting of the Environmental Advisory Board was called to order by Chairman Macaluso at 5:15 p.m.

Present: John Macaluso, Chairman
Nancy Vaughn
Kristine Cunningham
Philip Klema
Jonathan Foley

Absent: Michael Anderson (unexcused)
Christina Berry (unexcused)

Also Present: Tim Burman, Community Development Director
Melanie Schmotzer, Community Development Review Technician
Shelby Field, Assistant City Clerk

B. DISCUSSION/ACTION

2. Consideration of Minutes - July 22, 2019

Motion to approve the July 22, 2019 minutes as presented was made by Member Cunningham and Seconded by Member Vaughn. Motion carried unanimously by voice vote.

3. Consideration of Minutes - August 20, 2019

Motion to approve the August 20, 2019 minutes as presented was made by Member Foley and Seconded by Member Cunningham. Motion carried unanimously by voice vote.

4. Viewing of New Development Activity Report

Melanie Schmotzer, Community Development Technician, gave a brief overview of the Development Activity Report interactive map and answered questions from the Board.

Chairman Macaluso asked to skip to item #8 as the representative for the project was present to provide more information.

5. Environmental Summit

Chairman Macaluso requested this be a repeat item for the meeting agendas.

6. Update on Family Days/Preparation for next Family Days

Chairman Macaluso gave an update on Family Days and the discussion with the public on no longer recycling glass in the City. He stated there is a desire from the public to investigate recycling glass again. He asked for an item on the December 2, 2019 agenda to discuss ideas for the Spring Expo at City Center.

7. Discussion on House Bill No. 1159

Mr. Burman provided information on House legislation regarding tree removal on private property and what the City can do to protect the trees.

C. BROWNFIELD ADVISORY COMMITTEE

8. Update on Draft Excavation and Disposal Management Plan per Brownfield Site Rehabilitation Agreement for the 5811 Williamson Boulevard Brownfield Site

Michael Sznepstajler, Attorney for the project, gave a presentation providing an update on the 5811 Williamson Boulevard Site and answered questions from the Board.

Member Cunningham asked about incorporating more native plants to help with irrigation at the site. The developers will continue to look into it.

Member Klema asked about the plume of petroleum from the 7/11 across the street and if they have to remove the contamination or if it's 7/11's responsibility and its influence on the current schedule. Mr. Sznepstajler responded it is 7/11's responsibility to remove their contamination and neither of their schedules should interfere with each other. Member Klema also inquired if 7/11 is receiving any tax incentives for helping clean up the contamination. Mr. Sznepstajler responded no, they do not get to participate in the program as they are the ones responsible for the contamination.

Member Vaughn asked about the requirements for groundwater testing in Brownfield designations. Mr. Sznepstajler responded that it depends on the location of the water table and how far you plan on excavating. They are planning on testing the soil and if that is contaminated, ground water testing is required. Member Vaughn also inquired if it is better to remove the contamination or leave it as is to avoid exacerbating the contamination. Mr. Sznepstajler replied that if done right, it is better to remove the contamination.

C. PUBLIC COMMENTS

There were none.

D. BOARD COMMENTS

Chairman Macaluso read from the clean up report from Causeway Park provided to the Board via email.

Member Vaughn asked about the Fysh Bar and Grill plans and if the City can ask for them to plant some mangroves instead of just a hardscape seawall. Mr. Burman will discuss with the applicant to see what can be done.

E. NEXT MEETING DATE

8. Next Meeting Date: December 2, 2019

9. Items for Next Agenda

Ideas for the Spring Expo

Environmental Summit

General Update on Down Under (if applicable)

Discussion with 7/11 consultant (if applicable)

F. ADJOURNMENT – 6:50pm

Chairman John Macaluso



Be Floridian Now

Protect Fun and our Natural Resources

Megan Martin, Be Floridian Now and Resilience Outreach Coordinator

Katrina Locke, Sustainability and Resilience Manager

Volusia County- Environmental Management Division





About Us

- Volusia County: Sustainability Action Plan in 2014
- “Green Volusia” coordinates this plan’s objectives
- Be Floridian Now is a collaboration between many organizations



Nitrogen (N)

Phosphorus (P)

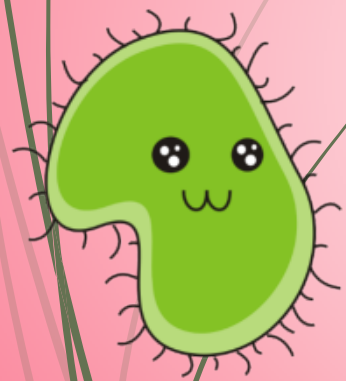


Photo: [Natural Resources Conservation Service Soil Health Campaign](#)

Algae Blooms



Indian River Lagoon,
March 2016

Fish Kills



Source:
www.brevardfl.gov

Santa Fe River, FL
(Alachua County)
2012

Dead Zones

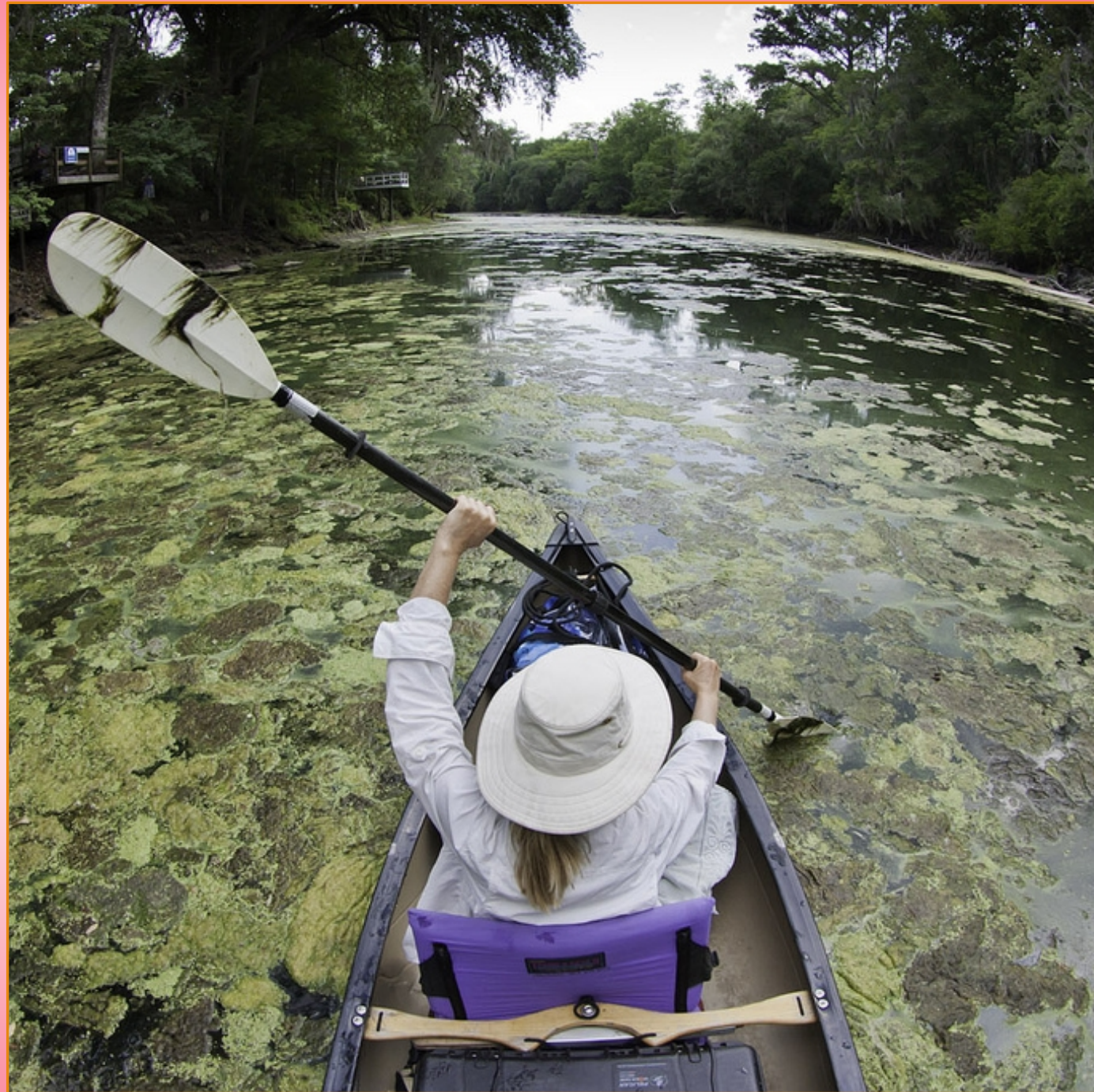
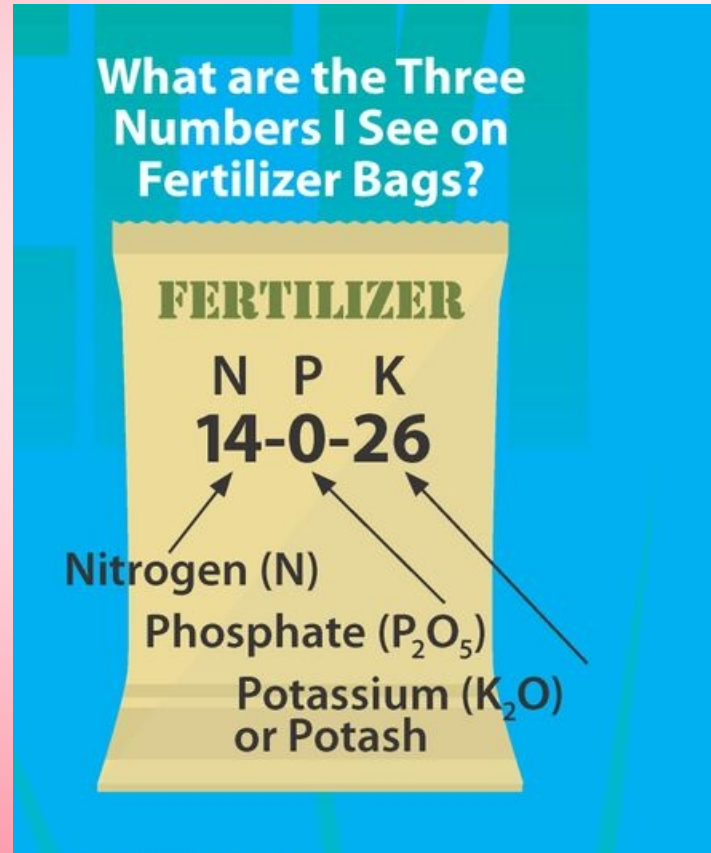


Photo:
John Moran





Skip the Fertilizer



www.BeFloridianNow.org

- **Just say NO to Nitrogen and Phosphorus in the Summer**
 - The Volusia County ordinance bans the use of fertilizer containing Nitrogen or Phosphorus from

June 1st through
September 30th



Twice is Nice

FERTILIZER

KNOW IF YOUR FERTILIZER IS SLOW!

50% SLOW RELEASE CALCULATION

Guaranteed Analysis

TOTAL NITROGEN (N)	16.00%
14.45% Urea Nitrogen (N)*	
SOLUBLE POTASH (K ₂ O)	26.00%
SULFUR (S) Total	19.70%
10.50% Free sulfur (S)	
9.20% Combined sulfur (S)	
IRON (Fe) Total	0.96%
0.19% Water Soluble (Fe)	
MANGANESE (Mn) Total	0.48%
0.1% Water Soluble Manganese (Mn)	
DERIVED FROM: Polymer Coated Sulfur Coated Urea, Sulfate of Potash, Iron Oxide, Manganese Oxide.	
CHLORINE (Cl) Max	2.00%
*8.00% Slowly Available Urea Nitrogen from Polymer Coated Sulfur Coated Urea.	

This bag meets requirements to apply October-May.

8
16 x 100 = **50%** Slow Release

IRL
INDIAN RIVER LAGOON PROGRAM

MRC
MIDDLE RIVER COUNCIL

The production of this pamphlet was funded in part by a National Estuaries Program grant from the USEPA through an agreement with the IRL Council. The total cost of pamphlet production was \$6,138 of which 60% was provided by USEPA.

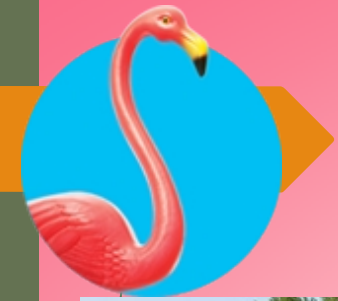
- Outside of the ban period (October through May), if you must fertilize, do so with products that contain at least 50% slow-release Nitrogen
- Remember: Twice is Nice
- Once in the Spring, Once in the Fall
- Avoid periods of dormancy



Skip the Phosphorus



- **Before throwing fertilizer on your yard, do a little research**
- Phosphorus may not be applied at any time of the year in Volusia County without a proven deficiency
- UF/IFAS Extension Office offers soil tests for \$7 each



Feb 15



- **Keep fertilizer at least 15 feet away from any body of water**
- This is a great opportunity to install a “no-mow” zone, using native plants





Right Plant, Right Place



- Sustainable landscape plants:
 - Require no fertilizer
 - Require less (if any) water
 - Require less overall maintenance
 - Cost less once established
 - Benefit local wildlife
- Just make sure you have them in the right spot
 - Get to know your landscape



Kick the Lawn Habit



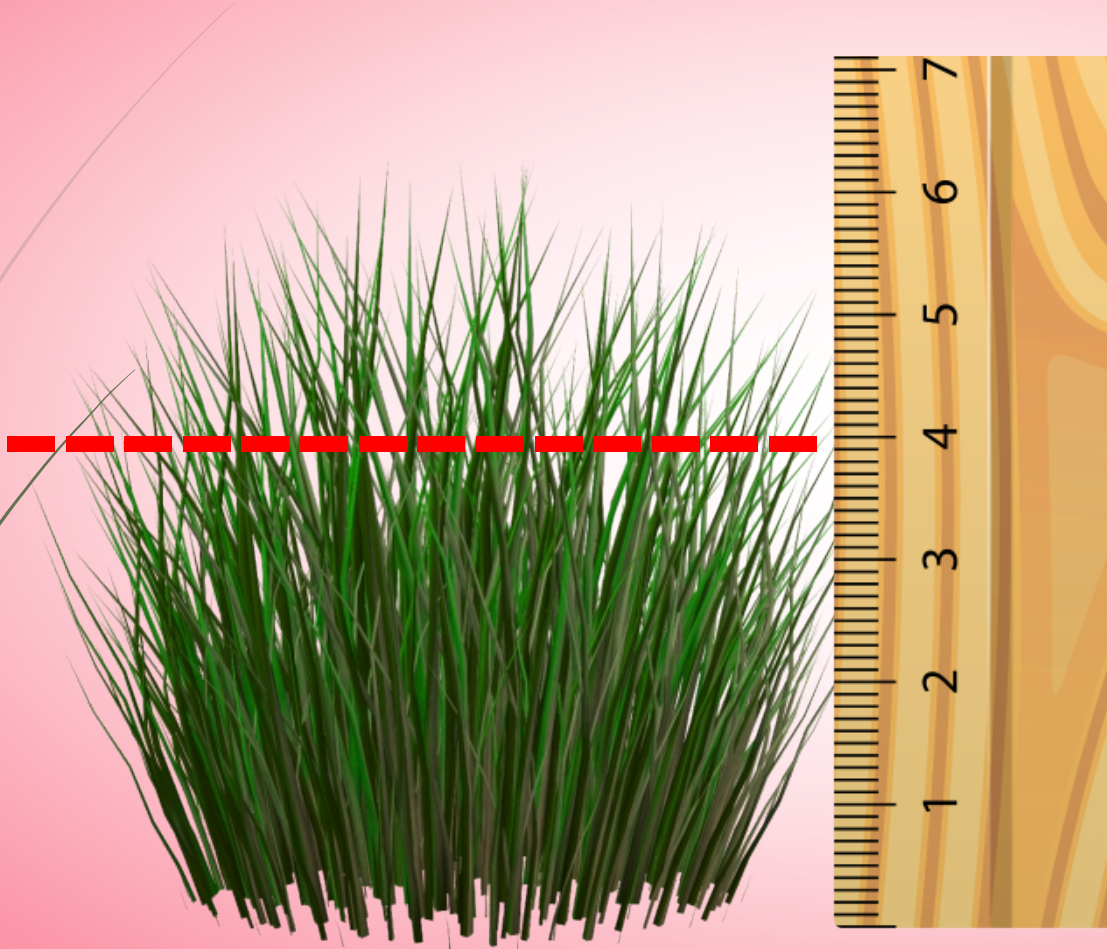
Landscape plan by Leah Gardner/Illustration by Simutis Illustrations

- Cut (out) the grass in your landscape
- Replace a corner of your yard with a bed of shrubs, small trees, or groundcover
- Or, plant that butterfly garden you've always wanted
- Start small





Raise the Blade



- **Mowing too short stresses the plant**
 - **Pests**
 - **Disease**
 - **Less energy to grow roots**
- The longer the leaves, the deeper the roots
 - More capable of finding nutrients and water
 - No more than 1/3 of the leaf



Keep the Clippings



- **Keep grass clippings on your landscape**
- They are a valuable source of Nitrogen
 - (free fertilizer!)
- Sweep grass clipping off of driveways, sidewalks, and streets
- Keep clippings away from water bodies





On Your Guard



- If you use a fertilizer spreader, make sure you're using a deflector shield or edge guard
- Spread your fertilizer only where you need it
- **Sweep up stray fertilizer granules**
- Driveways, sidewalks, and streets lead to storm drains





Save the Water (Bill)



www.BeFloridianNow.org

- Only water when your turf is showing signs of stress
 - Leaves of plants are curling
 - You can see footprints in your lawn
- Wean your lawn off of water
 - Right plant, right place
 - Mulch





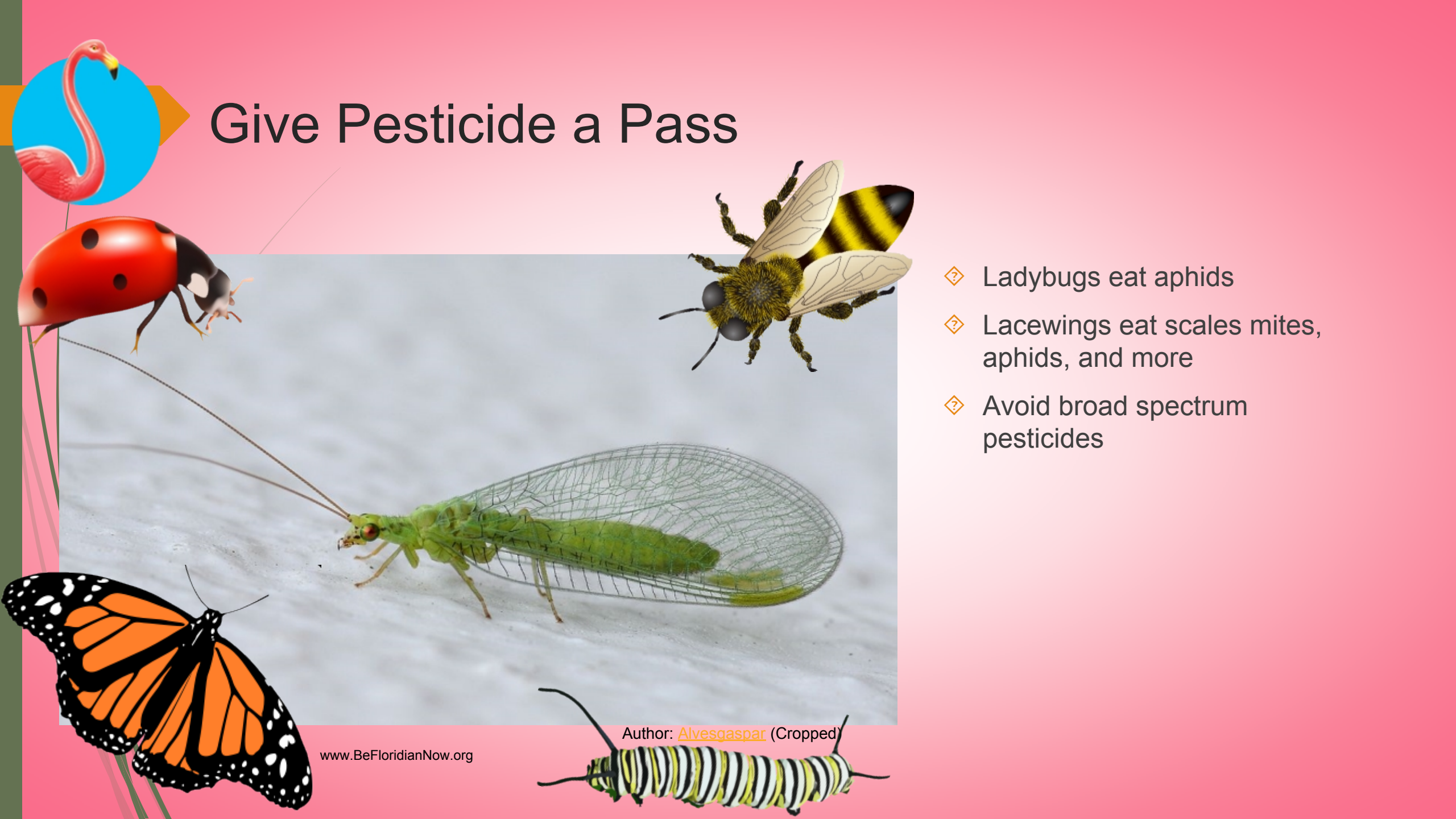
Water Efficiently



[This Photo](#) by Unknown Author is licensed under [CC BY-NC](#)

- ❖ Make sure your sprinklers are not watering the sidewalk
- ❖ Know your watering day/s
- ❖ Know where your shut-off valve is
 - ❖ Re-insert yourself into the process
- ❖ Use Timers and Rain Sensors
- ❖ Watch the weather





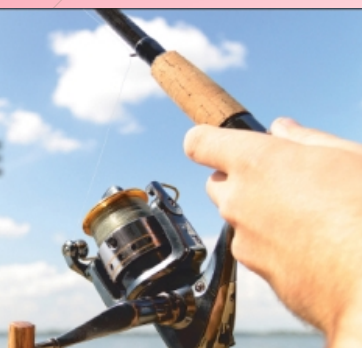
Give Pesticide a Pass

- ❖ Ladybugs eat aphids
- ❖ Lacewings eat scales mites, aphids, and more
- ❖ Avoid broad spectrum pesticides





THIS SUMMER,
THE RESPONSIBLE
THING TO DO IS
TO GO FISHING



THANKS



Photo Credit: John Whitar

**"SORRY BABE, BUT
FLORIDA NEEDS ME
AT THE BEACH"**

Be Floridian Now



TAKE THE SUMMER OFF FROM LAWN FERTILIZER

This summer, enjoy a day at the beach instead of polluting it with fertilizer run-off from your yard. Summer rain showers wash fertilizer into our waterways, causing toxic algae blooms and fish kills. Be Floridian Now, please don't fertilize during our rainy season from June 1 to September 30 or ask your local retailer for nitrogen-free, phosphorus-free, summer safe brands.

SUMMER OFF
FROM LAWN FERTILIZER
GO TO THE BEACH

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Be Floridian Now



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