

RESOLUTION 21-51

A RESOLUTION OF THE CITY OF PANAMA CITY BEACH, FLORIDA, APPROVING AN AGREEMENT WITH SOUTHEASTERN TURF GRASS SUPPLY, INC. FOR THE PURCHASE OF TURF CHEMICALS IN THE TOTAL AMOUNT OF \$193,986.80.

BE IT RESOLVED that the appropriate officers of the City are authorized to accept and deliver on behalf of the City that certain Agreement between the City and Southeastern Turf Grass Supply, Inc., relating to the purchase of turf chemicals for the Parks and Recreation Department, in the total amount of One Hundred Ninety Three Thousand, Nine Hundred Eighty Six Dollars and Eighty Cents (\$193,986.80), in substantially the form attached and presented to the Council today, with such changes, insertions or omissions as may be approved by the City Manager and whose execution shall be conclusive evidence of such approval.

THIS RESOLUTION shall be effective immediately upon passage.

PASSED in regular session this 10th day of December, 2020.

CITY OF PANAMA CITY BEACH

By: _____



Mark Sheldon, Mayor

ATTEST:



Lynne Fasone, City Clerk



College of Agricultural and Life Sciences
Department of Entomology and Nematology

Charles Steinmetz Hall
1881 Natural Area Drive
PO Box 110620
Gainesville, FL 32611-0620
352-273-3901
352-392-0190 Fax

11/30/2020

Mr. Tony O'Rourke
City Manager, Panama City Beach;

Mr. O'Rourke, I am writing this letter to address the use of Rhizosphere microbial products on the Panama City Beach athletic fields. I am a turfgrass nematode expert, and am confining my comments specifically to nematodes and not to any other effects the Rhizosphere products may or may not have. I will start out by stating that I am unaware of any research conducted specifically to determine the impacts of Rhizosphere products on turfgrass nematodes. I have worked with similar kinds of products many times in the past, but not these.

While there are specific types of soil microbes that can suppress activity of plant-parasitic nematodes, in none of my research have applications of general microbial blends such as those in the Rhizosphere products had measurable impacts on turf-parasitic nematodes. However, in some, but by no means all, of my trials we have had measurable improvement in turf and turf root health. When these positive turf responses have occurred the mechanism is unknown, but I do not believe it is direct effects on nematodes.

I looking over the nematode assays from city athletic fields in Panama City Beach over the past three years, I can say that some of them have high enough numbers of sting or root-knot nematodes to put the turf at high risk of damage occurring. In speaking with Joe Creeden and Jim Ponek, they feel that the turf performance in all of these fields is currently acceptable in spite of these nematode populations. Whether or not this is due to the use of the Rhizosphere products is unknown, but it is a possibility.

To manage these nematodes with commercial nematicides would be much more expensive than the continued use of the Rhizosphere products. While the actual benefits from use of the microbial is uncertain, they might be helpful and their relative cost compared to use of nematicides is much less. As long as turf performance continues to be acceptable I see no reason to change what they are currently doing. However, if at some point nematode damage becomes evident I think that in those affected areas use of chemical nematicides would be advisable.

Sincerely,

A handwritten signature in black ink, appearing to read 'William T. Crow', written over a horizontal line.

William T. Crow
Professor of Nematology
Director, UF Nematode Assay Lab
Entomology and Nematology Department

BID PROPOSAL FORM

TO: City of Panama City Beach, Florida

SUBMITTED: October 26, 2020.

Turf Chemicals

The Undersigned, as Bidder, hereby declares that they have examined the bid specifications and informed themselves fully regarding all conditions pertaining to the proposal submitted.

The Bidder proposes and agrees, if this proposal is accepted, to provide the listed chemical to the City of Panama City Beach for the proposed amount, in full and complete accordance with the shown, noted, described, and reasonably intended requirements of the specifications to the full and entire satisfaction of the City of Panama City Beach, Florida.

PRODUCT BID AMOUNTS:

260 Gallons JAD Global Invigorate Soil Conditioner	\$ <u>32,370.00</u>
16,000 lbs fertilizer 39-0-0	\$ <u>10,672.00</u>
16,000 lbs Timac NutriRhize 0-0-35	\$ <u>17,369.60</u>
42,000 lbs fertilizer 20-0-20	\$ <u>14,683.20</u> <small>Contains Duration 90 Day Control Release Nitrogen</small>
1680 ounces Rhizosphere Solutions Therapy NP	\$ <u>58,380.00</u>
1240 ounces Rhizosphere Solutions Therapy SP	\$ <u>31,930.00</u>
1240 ounces Rhizosphere Solutions Therapy GP	\$ <u>28,582.00</u>

BY: Jonathan Wicker TITLE: President

ADDRESS: 6942 Phillips Parkway Dr. N CITY: Jacksonville STATE: FL ZIP: 32256

EMAIL ADDRESS: acarlton10@icloud.com

PHONE: 904-260-8565


SIGNATURE - (Confirming all information above is correct)