



VILLAGE OF KEY BISCAINE

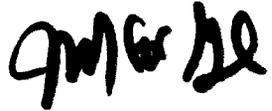
Office of the Village Manager

Village Council
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Michael E. Kelly, *Vice Mayor*

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James S. Taintor

Village Manager
Genaro "Chip" Iglesias

MEMORANDUM

DATE: July 5, 2011
TO: Honorable Mayor and Council Members
FROM: Genaro "Chip" Iglesias, Village Manager 
RE: Rugose Spiraling Whitefly Treatment Program

RECOMMENDATION

It is recommended that the Village Council approve funding for an additional Whitefly Treatment Program not to exceed \$30,000 and to authorize staff to award the work once we are able to confirm work references on the lowest bidders. As per the Village Arborist report submitted on April 30th, 2011 from Sutton Consulting Arborist, Inc., the Village right-of-ways are the highest infested areas and the recommended scope of work is for a systemic type of treatment for the Village trees located on the right-of-ways infested with the Rugose Spiraling Whitefly.

BACKGROUND

On October 2010, the first case of Rugose Spiraling Whitefly was reported in the Village. On November 2010, the Village began treating the whitefly on all Gumbo Limbos on the Village right-of-ways (where the pest first originated). Since then, three additional foliar sprays and systemic root drenching treatments have continued to be applied in hot spots identified on a variety of trees/palms in the right-of-ways. In addition, numerous outreach programs have been implemented in a continued effort to inform the residents how to best control this pest on private property.

After her presentation at the June 7th Rugose Spiraling Whitefly workshop, Dr. Catharine Mannion, Associate Professor and Extension Specialist, University of Florida, in conjunction with the Village arborist recommend systemic treatments; using a neonicotinoid chemical class insecticide as the preferred method in order to obtain the best long term effect possible. The Village will also continue to obtain more information on the injection treatment method which is a different price point than systemic treatments.

During the June 14th Council Meeting, Council requested further action from staff to explore pricing on the most effective whitefly treatments.

The Village obtained eight different proposals which were reviewed by staff. Due to the range of prices received, the highest proposal was discarded and the remaining seven bids were averaged. The average for a 10-12 inch caliper tree is \$9.50 and a 4 inch caliper tree is \$6.50. (See attached Whitefly tabulation)

Although there are currently 2,400 trees on the highest priority list, staff recommends funding for 3,000 trees in case additional drenching must be performed over the summer. If additional treatments are necessary (exceeding 3,000 trees) the additional expenditure will be brought to Council on August 30th, 2011 for approval.

The recommended funding source for this item (not to exceed \$30,000) will come from the General Fund Reservations- Reserved Carry Forward line item.

WHITEFLY TABULATION

	Bug Off Exterminators	Spraypro	Ubugme	Eastern Exterminating	TruGreen	Key Biscayne Pest Control	One Property Services	K Kare Services
1489 Trees with a 10-12 inch caliper at DBH								
Drench treatment to roots	\$23.00	\$8.75	\$17.00	\$45.00	\$8.00	\$3.59	\$2.56	\$3.50
Injection Treatment	\$24.00	\$35.00	\$25.00	No Bid	\$25.00	No Bid	No Bid	\$30.00
890 Trees with a 4 inch caliper at DBH								
Drench treatment to roots	\$13.00	\$6.75	\$8.50	\$15.00	\$8.00	\$2.98	\$2.56	\$2.50
Injection Treatment	\$14.00	\$25.00	\$17.50	No Bid	\$25.00	No Bid	No Bid	\$25.00