



**SANTA ROSA COUNTY ENGINEERING
ENVIRONMENTAL DEPARTMENT**
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Roger A. Blaylock, P.E.
County Engineer

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To: Tony Gomillion
From: Ronald Hixson *RCH*
Thru: Roger Blaylock, P.E., County Engineer *Rog*
Date: March 30, 2016
Re: Mosquito Control Chemicals

DISCUSSION:

The Santa Rosa County Mosquito Control Division utilizes various chemicals to control mosquito populations in the County that have the potential to spread infectious diseases to residents. Mosquito Control requires periodic replenishment of those chemicals and materials to effectively perform its mission and to respond quickly to outbreaks of mosquito populations.

BACKGROUND:

Santa Rosa County Mosquito Control utilizes various chemicals to control and eradicate mosquitos in the county including Kontrol 4-4 (Adulticide). Mosquito Control maintains a stock of 4 totes of Kontrol 4-4 that requires replenishment ever 4 weeks during the active mosquito control period, approximately April thru September of each year. During an average season, Mosquito Control will use approximately 20 totes of Kontrol 4-4 to protect residents in Santa Rosa County from mosquito transmitted diseases like the Zika virus.

Replacement of Kontrol 4-4 stocks can generally be completed in a 2 to 3 week period after order placement, however; with the arrival and spread of the Zika virus adequate supplies of Kontrol 4-4 may not be available in a timely manner. In addition, the unusually warm and wet winter season may provide conditions suitable for a significant increase in mosquito populations that could require additional control measures. Mosquito Control personnel maintain continual contact with suppliers to monitor stocks of Kontrol 4-4 in order to maintain adequate chemicals for Santa Rosa County Mosquito Control operations.

ACTIONS TO BE CONSIDERED:

That the Board of County Commissioners approves the purchase of 4 totes of Kontrol 4-4 (Adulticide) from Univar Environmental Services based on comparison shopping at a cost of \$17,545.00 and thereafter additional quantities of Kontrol 4-4 as needed not to exceed a cost of \$88,000.000 for approximately 20 additional totes of Kontrol 4-4 based on comparison shopping for the active mosquito control period, April thru September of 2016.

Comparison Quotes for Adulicide Chemicals

Company	275 Gallon Tote	4 Totes	Chemical
Central Life Sciences	\$22,116	\$88,462	Zenivex 4% - Permethrin Equivalent
Univar Environmental Servcies	\$4,386	\$17,545	Kontrol 4-4 - Permethirin Equivalent
Adapco	\$4,950	\$19,800	Permanone - Permethirin Equivalent