

Hands-on Mosquito-related Educational and Outreach Materials for Florida Schools.

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Final Report – April 2007

Funds were requested to replenish copepod/mosquito kits and for shipping costs. All supplies needed for both kits were obtained and are presently being used for current kit requests, and the informational/instructional CDs that accompany the kit are being produced as needed. The availability of the kits continues to be advertised in the FMEL web page (<http://fmel.ifas.ufl.edu>).

This year we sent out a total of 28 kits. We will continue to honor kit requests until we run out of material, at which time we will re-evaluate the program. The table below lists the kits requested, sent, or in process of being shipped for this year. Only one request was turned down because it came from a foreign country and the recipient had no information on rules for importing live animals into the country (Italy). Recipients included teachers, individual student requests for science fair projects (e.g., see attachment A), mosquito abatement units, researchers, higher education institutions, and others.

As always sample kits are available upon request.

NAME	UNIT	#
Julie Player	Escambia Mosquito Control - FL	1
Sandra Bautista	Azusa Pacific University - CA	3
Laura Callero	Thousand Oaks - CA	3
Trina Porcher	Univ. of N.C at Greensboro - 1	1
Thomas Norris	Indiana County - PA	1
Lorenzo Lovizolo	Livorno – Italy	0
Lisa Earnest	Brevard Community College - FL	2
Camille Bond	Sebastian River Middle - FL	1
Jay Dholakia	Univ of Louisville School of Medicine - KY	1
Maria Gigliotti	Martin Co. High School - FL	1
Edward Olson	Meadowbrook Middle School – FL	1
Kim Pavlick	Palm Beach Community College – FL	1
Andrew Wright	Beaver Creek High School – OH	1
Myrna Hall	Union Park Middle School – FL	1
Judith Gross	Leon Co. Mosquito Control	6
Mark Burke	City of Altamonte Springs	1
Madeline Ball	Dallas – TX	1
Ruth Clifford	Andrew Jackson Middle School - FL	1
Marta Iwaseczko	Teton Co. Mosquito Abatement – WY	1

Table 1. Kits requested, sent, or in preparation.

Attachment A  
Sample letters from students/parents that used the kits

**From:** tari42@aol.com [mailto:tari42@aol.com]  
**Sent:** Tuesday, March 27, 2007 5:13 PM  
**To:** Rey, Jorge  
**Subject:** Re: Copepod Questions for Science Fair

Dear Dr. Rey,

I want to thank you so much for your help with my science fair project this year. You might remember that I did a study comparing the effectiveness of *Macrocyclops albidus* to 5 common commercial larvicides. I added several variables into the experiments including different densities of copepods and the availability of alternative food sources. I looked at the timed mortality rates, LD50, and finally I used a chi squared test to determine if there was a statistically significant deviation in effectiveness. And for the record in the early instar's the copepods measured up!

Anyway – I couldn't have done the experiment without your help. I won first place at my school and this last weekend I competed at Regional's and won both first place in my division, and Grand Prize. I also won awards from the Office of Naval Research, the EPA, and the Veterinary Medicine Society. I enjoyed this project more than any other project I've ever done! In the next few weeks I will be competing at the ExxonMobil Texas State Science & Engineering Fair, and if I do well enough I hope to have the chance to compete in the Discovery Channel Young Scientist Challenge. That's my big dream. Anyway – I built a website with a journal and information on my project if you are interested. ([www.mysciencefairproject.net](http://www.mysciencefairproject.net)) Everyone at my school followed along with my project. The teachers even gave the 6<sup>th</sup> & 7<sup>th</sup> graders extra credit.

Thank you again – I absolutely could not have gotten this far without your help & guidance.

Maddie Ball

**From:** cmtlaw55@hotmail.com  
**Sent:** Tuesday, February 13 2007 2:55 PM  
**To:** Rey, Jorge  
**Subject:** Mosquito control research

Hi Jorge-

Just a quick update on Brenna's research- she won 1st place at her H.S. fair and now will go to the Ventura County Fair - Wednesday, April 18th. She hopes to move to the California State level next. I certainly think she has a good chance.

She achieved 98/100 possible points on her project and received rave reviews- a very tough judging panel comprised of many PhD level individuals from Amgen. Competition was tough! I must say that her research was extremely interesting and well thought out.

Wanted to express my thanks to you today and will follow with a handwritten note from us both before the week is over. She was very lucky to have crossed paths with you and we sincerely appreciate your assistance.

kindest regards

Laura and Brenna Callero