RECOMMENDED ACTION AND JUSTIFICATION:

Recommend resolution authorizing Health Officer to sign Memorandum of Understanding with the Merced County Mosquito Abatement District.

The vast bulk of efforts with regard to West Nile Virus in Mariposa County have been extensive and successful outreach with education. It is unrealistic to believe that County staff can have much impact on the mosquito population of this County given the size of the County, the breeding habits of mosquitoes, the lack of a mosquito abatement district, and the crushing workload of Environmental Health. However, the Merced Abatement District has been very helpful in the past, even coming up to Mariposa on a weekend to do some mosquito identification, and is willing to work with us through an MOU should extraordinary efforts become necessary.

We are applying for a State grant to fund this MOU.

Funding will be appropriated into the proper revenue and expenditure accounts during final budget adjustments in September.

BACKGROUND AND HISTORY OF BOARD ACTIONS:
N/A

ALTERNATIVES AND CONSEQUENCES OF NEGATIVE ACTION:

1. Use general fund money for emergency mosquito abatement.
2. Do not use emergency mosquito abatement.

Financial Impact? (x) Yes ( ) No Current FY Cost: $ 0
Budgeted In Current FY? (x) Yes ( ) No ( ) Partially Funded
Amount in Budget: $ 0
Additional Funding Needed: $ 50,000
Source: State grant
Internal Transfer
Unanticipated Revenue
Transfer Between Funds
Contingency
( ) General ( ) Other

Annual Recurring Cost: $
List Attachments, number pages consecutively
Will request appropriation for specific amount during Budget hearings.

CLERK'S USE ONLY:
Res. No.: 05-446
Ord. No. _____
Vote – Ayes: 5
Noes: _____
Absent: _____
Approved
( ) Minute Order Attached ( ) No Action Necessary

The foregoing instrument is a correct copy of the original on file in this office.
Date: ________
Attest: MARGIE WILLIAMS, Clerk of the Board
County of Mariposa, State of California
By: ________
Deputy

COUNTY ADMINISTRATIVE OFFICER:
( ) Requested Action Recommended
( ) No Opinion
Comments:

CAO: ________
COUNTY OF MARIPOSA
EMERGENCY MOSQUITO CONTROL PROPOSAL
Submitted by:
MERCED COUNTY MOSQUITO ABATEMENT DISTRICT

Program Objectives:

Conduct emergency mosquito control operations to decrease the probability of mosquito-borne disease transmission. Mosquito control activities will be conducted in areas identified by Mariposa County Health Officer as high risk for West Nile Virus (WNV) transmission. All mosquito control operations will be conducted in accordance with the California Health and Safety Code, Division 3, Chapter 1, Article 4, and with accepted practices established for mosquito larviciding and/or adulticiding in this region.

Program Description:

Primary emphasis will be placed on the suppression of immature stages of mosquito species implicated in the transmission of WNV (Culex tarsalis, Culex pipiens complex, Ochlerotatus melanimon, and others) by application of bio-rational larvicides at the breeding site. However, when deemed necessary by both parties, adulticiding treatments concentrated along the boundaries of the affected areas may be conducted to limit the movement of adult mosquitoes from the breeding site.

Areas to be treated, timing of the applications, and material and equipment to be used for individual treatments will be determined by Merced County Mosquito Abatement District (MAD) personnel and as deemed necessary by both parties, on the basis of size and location of the breeding site and environmental conditions existing at the time in the area of treatment. All pesticides used by the Merced County MAD will be pre-approved by the Mariposa County Health Department.

The Mariposa County Health Officer will be notified from twelve (12) to twenty-four (24) hours prior to any chemical treatment performed on the aforementioned sites.

Treatment will include but not be limited to the following measures, and at the indicated costs to the County:

1. Larvicidal spraying of sources by aircraft. Insecticide: Altosid Liquid Concentrate (ALC) or Bacillus thuringiensis var. israelensis (BTI) at 1 ounce of methoprene (ALC) and 1 pint of BTI per acre. Cost: ALC at $7.05 per acre or BTI at $2.98 per acre for insecticide, plus $1.03 per acre application cost (includes pilot’s wages, aircraft operation costs, etc.).
2. Larvicidal spraying of sources by hand-operated or truck-mounted equipment. Insecticide: ALC or BTI at 1 ounce of methoprene (ALC) and 1 pint of BTI per acre. Cost: ALC at $7.05 or BTI at $2.98 per acre for insecticide, plus $17.95 per hour of actual spray time, plus $.405 per mile per vehicle while traveling to and from the job site and while spraying.

3. Ground adulticiding treatment by truck mounted cold fogging equipment. Insecticide: Pyrethrin (12%) applied at .32 ounces of pyrethrin per acre. Cost: $.79 per acre for insecticide, plus $17.95 per hour of actual spray time, plus $.405 per mile per vehicle while traveling to and from the job site and while spraying.

4. Aerial adulticiding treatment by aircraft equipped with rotary atomizing spray system. Insecticide: Pyrenone at .64 ounces of pyrethrin per acre. Cost: $1.20 for insecticide, plus $1.03 per acre application cost.

5. Pre and post-treatment inspection of breeding sites. Cost: $17.95 per hour of actual inspection time, plus $.405 per mile per vehicle of actual mileage incurred.

In the event that the above specified insecticides should lose their effect upon mosquitoes due to the development of tolerance or resistance, etc., or in the event that equally effective but safer or cheaper materials should become available, the District shall be free, upon notification and approval by the Mariposa County Health Department to change the chemicals used provided that these materials will not have a deleterious effect upon birds, mammals, reptiles, or fish in the wildlife area.

Contractor shall furnish to the Mariposa County Health Department a certificate of insurance stating that there is liability insurance presently in effect for the Contractor of not less than One Million Dollars ($1,000,000) per occurrence for bodily injury and property damage liability combined and chemical coverage of not less than Five Hundred Thousand Dollars ($500,000) per occurrence for bodily injury and property damage liability combined. The certificate of insurance shall provide that the insurer will not cancel the insured’s coverage without thirty (30) days prior written notice to the Mariposa County Health Department. Aircraft liability insurance is required in addition to public liability insurance.

Contractor agrees that the bodily injury liability insurance herein provided for shall be in effect at all times during the term of this contract. In the event said insurance coverage expires at any time or times during the time of this contract, Contractor agrees to provide at least thirty (30) days prior to said expiration date, a new certificate of insurance evidencing insurance coverage as provided for herein for not less than the remainder of the term of the contract, or for a period of not less than one year. In the event the Contractor fails to keep in effect at all times insurance coverage as herein provided, the Mariposa County Health Department may, in addition to any other remedies it may have, terminate this contract upon the occurrence of such event.
Contract to be valid for one year commencing August 1, 2005 through July 31, 2006 with billing for services on a monthly basis.

Maximum amount of this contract will not exceed $50,000. An itemized billing for the total work performed to be presented monthly and at the end of contract year.

**Contact for Mariposa County will be:**

Charles B. Mosher, MD, MPH, Health Officer  
4988 Eleventh Street  
Post Office Box 5  
Mariposa, California 95338  
(209) 966-3689

**Contact for Merced County Mosquito Abatement District will be:**

Allan Inman, Manager-Entomologist  
3478 North Beachwood Drive  
Post Office Box 909  
Merced, California 95341  
(209) 722-1527

Charles B. Mosher, MD, MPH  
Mariposa County Health Officer  

Allan Inman, Manager-Entomologist  
Merced County Mosquito Abatement District  

Date