We respond to mosquito-borne disease using our Arbovirus Response Plan. It was written to provide the SCCMVC with strategies to respond to any mosquito issue, from routine nuisance control to disease emergency response.

The Arbovirus Response Plan was written by the Technical Advisory Committee, which was made up of community and government agencies. It has three levels:

- **Level I Normal Season**
- **Level II Emergency Planning**
- **Level III Epidemic Response or Disease Emergency**

### Level I Normal Season

- **Surveillance**
  - Dip-cup sampling anywhere there’s standing water!
  - Trap mosquitoes with carbon dioxide and light baited traps.

- **Larvae**
  - Apply biorational larvicides as last resort to control larvae.

- **Adults**
  - State Labs test adult mosquitoes, sentinel chicken flocks, and dead wild birds / squirrels for West Nile Virus
  - Trap mosquitoes with carbon dioxide

We control larval mosquitoes when the population reaches a Treatment Threshold.

### Disease

- If Disease is Present
  - Adult mosquitoes, chickens, wild birds, or humans test positive for mosquito-borne disease

Extremely large adult populations or the presence of mosquito-borne disease would initiate Level II Emergency Planning or Level III Epidemic Response.

At which time the County Health Officer, Board of Supervisors, or State of California may declare a Disease Emergency.

The SCCMVC would initiate a two pronged strategy:

- **Public Notification**
  - Media announcements

- **Convene the Technical Advisory Committee**
  - Prepare for possible Adulticiding
    - This requires approval from the Board of Supervisors.
    - SCCMVC would make recommendations to the Board of Supervisors about how to respond to the Disease Emergency.
  - Adulticiding approved
    - Approved adulticides would be applied as a fog of ultra low volume, high concentration droplets to areas with large numbers of adult mosquitoes. These pesticides can be applied at ground level, or by air.

- **Accelerate Routine Larval Control, Public Education and Surveillance**

- **Education**
  - Presentations at schools, community events, public forums.
    - Free consultations and informative pamphlets.

- **Source reduction**
  - Reduce breeding habitat by dumping out containers, draining small areas.
  - Stock abandoned pools, ornamental ponds, and horse troughs with mosquitofish.

- **Biological control**
  - Apply biorational larvicides as last resort to control larvae.

- **Chemical Control**
  - Apply biorational larvicides as last resort to control larvae.

- **Adulticiding not approved**
  - Hold Public Hearings