



FLORIDA KEYS

MOSQUITO CONTROL DISTRICT

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www.keysmosquito.org

Performance Measures

Surveillance:

- Complete 50,000 landing rate counts annually.
- Complete 150,000 inspections annually.
- Adult Traps:
 - Set 40 traps per year.
 - Identify traps to species within 5 business days.
- Identify larval collections to species within 5 business days.

Adulticide:

- Adulticide Trucks:
 - Demonstrable increase in base mosquito population plus verified SR or adult trap numbers.
 - Thresholds within management plans are reached plus verified SR or adult traps.
 - Complete 90% of all scheduled missions.
 - Reduction of 30% in LRC within treated areas.
- Aerial Adulticide
 - *Aedes taeniorhynchus*:
 - Three times base population threshold is met and verified SR or adult trap numbers.
 - Thresholds within management plans are reached and verified SR or adult traps.
 - Reduction of 50% in LRC within treated areas.
 - *Aedes aegypti*
 - Three times base population threshold is met and/or adult trap numbers reach thresholds in area.
- Barrier Treatments:
 - Landing rate counts
 - Ocean Reef: weekly rainfall and adult mosquito landing rate count demonstrate an increase.
 - Mosquito-borne disease concern: will be performed when desired foliage is available.

Larvicide:

- Aerial Liquid Larvicide:
 - After two consecutive weeks of significant rain (1" or more) at the beginning of the season, continued weekly, postponing when rains have not come for two (2) full weeks.
- Truck Liquid Larvicide:
 - As needed after rain at the beginning of the season, continued weekly, postponing when rain has not come for two (2) whole weeks.
- Granular Larvicide:
 - Average of three (3) plus larvae per dip action threshold for treatment.
 - 70% reduction of larvae in treated area.

Other:

- Service Requests answered within 24 business hours unless otherwise requested.
- Conduct resistance testing annually.
- Attend 6 public festivals on behalf of FKMCD annually.
- Attend 4 area Chamber of Commerce Functions annually.
- Attend 4 school related functions annually.