FLORIDA KEYS
MOSQUITO CONTROL DISTRICT

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Florida Keys Mosquito Control District Performance Measures Report: FY 2024–25

The Florida Keys Mosquito Control District demonstrated strong performance across operational areas in FY 2024–25. Most targets were met or exceeded, particularly in surveillance and adulticide reductions. Minor shortfalls were due to uncontrollable weather and mechanical issues, which affected a small portion of scheduled missions. Community engagement, response times, and scientific monitoring goals were all successfully achieved.

1. Surveillance

Metric	Target	Completion	Result
Landing Rate Counts	50,000 annually	53,868	**107% of goal achieved**
Inspections	150,000 annually	145,557	**97% of goal achieved**
Adult Traps	Set 40 per year	Completed	**Met target**
Adult Traps	Identify within 5 business days	2,162/2,207	**98% of goal achieved**
Larval Collections	Identify within 5 business days	84/85	**99% of goal achieved**

2. Adulticide Operations

Metric	Target/Threshold	Notes	Result
Adulticide Trucks	90% of scheduled missions completed, weather permitting	Incomplete: 18% (weather), 6% (mechanical/staffing issues)	**Completed**
Adulticide Trucks	30% reduction in landing rate counts	Exceeded goal	**53%**
Aerial Adulticide (*Aedes taeniorhynchus*)	Threshold met when 3× base population reached	Met Target	**Completed**
Aerial Adulticide (*Aedes taeniorhynchus*)	50% reduction in landing rate counts	Exceeded goal	**59%**
Aerial Adulticide (*Aedes aegypti*)	Thresholds per management plan	Met target	**Completed**
Barrier Treatments	Based on landing rate counts/disease risk	Met target	**Completed**

3. Larvicide Operations

Metric	Target	Result
Aerial Liquid Larvicide	Weekly treatments following significant rainfall	**Completed**
Truck Liquid Larvicide	As needed after rain	**Completed**
Granular Larvicide	≥3 larvae per dip prior to treatment	**Completed**
Granular Larvicide	70% reduction of larvae in treated areas	**Completed (72.6% reduction)**

4. Other Performance Measures

Metric	Target	Result
Service Requests	Respond within 24 business hours	**97% of goal achieved**
Resistance Testing	Annual Testing of Adulticides	**Completed**
Public Festivals	6 annually	**Completed**
Chamber Functions	4 annually	**Completed**
School Functions	4 annually	**Completed**