



# Mosquito Surveillance Report

New Jersey Agricultural Experiment Station

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Period June 2-8, 1973

The mosquito population throughout the state increased over last week except in the Urban Corridor, Region D, where the averages were down slightly.

Aedes vexans replaced the Culex complex as predominant species in Region A and D. Aedes stimulans was more wide-spread this week, occurring in Regions A, B, and C.

The salt marsh mosquitoes, A. sollicitans and A. cantator were trapped in the Urban Corridor Region D, as well as the southern regions, and occurred in the greatest numbers along the Coastal Wetlands Region F. Culiseta melanura was trapped in significant numbers in a few traps in Region E.

In Region F, the Culex population increased six times last week's average and was the highest mosquito grouping for the state. This is essentially a reflection of one trap in Cape May County near Pond Creek area, and is a notorious trouble spot. This area is being investigated for possible water management.

Counties represented in this report:

|            |           |
|------------|-----------|
| Atlantic   | Mercer    |
| Bergen     | Middlesex |
| Burlington | Morris    |
| Camden     | Ocean     |
| Cape May   | Passaic   |
| Cumberland | Somerset  |
| Essex      | Sussex    |
| Gloucester | Union     |
| Hunterdon  | Warren    |

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REGIONAL LIGHT TRAP  
SUMMARY

Average mosquitoes per trap-night June 2-8, 1973

| Region                                 | Predominant Species   | Other important species |                       |                                     |
|--|-----------------------|-------------------------|-----------------------|-------------------------------------|
| Region A<br>Northern<br>Rural<br>77*   | Aedes vexans<br>2.8   | Culex complex<br>2.4    | A. stimulans<br>0.8   | An. punctipennis<br>0.7             |
| Region B<br>Passaic<br>Valley<br>56    | Aedes vexans<br>5.7   | Culex complex<br>2.1    | A. stimulans<br>0.3   |                                     |
| Region C<br>Rural<br>42                | Culex complex<br>3.1  | Aedes vexans<br>1.4     | A. stimulans<br>0.7   |                                     |
| Region D<br>Urban<br>Corridor<br>126   | Aedes vexans<br>4.0   | Culex complex<br>3.9    | A. sollicitans<br>0.4 | A. cantator<br>0.1                  |
| Region E<br>Coastal<br>Plain<br>63     | Culex complex<br>2.5  | Aedes vexans<br>1.2     | A. cantator<br>0.7    | A. canadensis<br>C. melanura<br>0.6 |
| Region F<br>Coastal<br>Wetlands<br>119 | Culex complex<br>27.6 | Aedes cantator<br>8.8   | A. sollicitans<br>7.7 | A. vexans<br>6.1                    |

\* Number of trap-nights per region.