



Mosquito Surveillance Report

New Jersey Agricultural Experiment Station

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Period July 20-26, 1973
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The overall mosquito population in the state increased from the previous report. Aedes vexans was the predominant species in regions A, B and C, while the Culex complex was predominant in regions D, E and F.

In region A, Aedes vexans increased from the last period as did all the other important species in that region. The Culex complex and An. punctipennis showed the greatest increase.

In region B, Aedes vexans nearly doubled in abundance from the last period. The Culex complex increased slightly and M. perturbans remained the same.

In region C, Aedes vexans decreased from the previous period even though it remained most abundant. Culex complex remained the same and An. punctipennis increased slightly. A. trivittatus and P. ciliata replaced A. canadensis in wooded areas.

The Culex complex increased slightly in region D as did A. vexans. A. sollicitans decreased slightly, A. cantator increased slightly, and M. perturbans was present again in small numbers.

In region E, the Culex complex increased slightly. M. perturbans is still very heavy in a few traps in this region, but the average is less than last period. A. vexans has decreased from the previous week. An. bradleyi replaced C. melanura for fourth in abundance although C. melanura and P. confinnis were only slightly less abundant.

The Culex complex has decreased substantially from the previous period in region F although still the most abundant. A. sollicitans more than doubled since last week, and A. cantator increased to be fourth in abundance. Aedes vexans increased in this region.

Counties submitting data for this report: Atlantic, Bergen, Camden, Cape May, Cumberland, Essex, Gloucester, Hudson, Hunterdon, Mercer, Middlesex, Morris, Ocean, Passaic, Salem, Somerset, Sussex, Union and Warren.

Jere Downing
Research Associate

Lyle E. Hagmann
Research Professor

REGIONAL LIGHT TRAP
SUMMARY

Average mosquitoes per trap-night July 20-26, 1973

| Region | Predominant Species | Other important species | | |
|--|---------------------------|----------------------------|--|---------------------------------------|
| Region A Northern Rural 91* | A. vexans 29.2 | Culex complex 12.4 | An. punctipennis 3.8 | M. perturbans 0.5 |
| Region B Passaic Valley 84 | A. vexans 66.1 | Culex complex 4.3 | M. perturbans 0.3 | A. sollicitans 0.1 |
| Region C Rural 42 | A. vexans 8.5 | Culex complex 5.9 | An. punctipennis 0.5 | A. trivittatus P. ciliata T |
| Region D Urban Corridor 147 | Culex complex 28.1 | A. vexans 18.9 | A. sollicitans A. cantator 0.4 | M. perturbans 0.2 |
| Region E Coastal Plain 42 | Culex complex 6.3 | M. perturbans 3.4 | A. vexans 2.7 | An. bradleyi 0.6 |
| Region F Coastal Wetlands 112 | Culex complex 81.1 | A. sollicitans 22.4 | A. vexans 6.0 | A. cantator 3.2 |

*Number of trap-nights per region.

