



Mosquito Surveillance Report

New Jersey Agricultural Experiment Station

Vol. 1 No. 9

Period July 13-19, 1973
August 3, 1973

The mosquito situation in the state was generally unchanged from the last report. Aedes vexans was again the predominant species in regions A, B, and C, the northern three regions. The abundance of Aedes vexans in these regions was very nearly the same as for the last period. The Culex complex population in these three regions fluctuated; decreased in A, increased in B, and remained nearly the same in C.

In the regions D, E, and F, the Culex complex was the predominant species but with population fluctuations from the last report in each region. In regions A and B there were slight decreases, but a substantial increase occurred in region F for Culex.

Aedes vexans was second in abundance in regions D and E. That species decreased moderately in region D and considerably in region E. Mansonia perturbans decreased in region E, and was only reported from one trap. Some traps in that region are not represented in this report.

In region F, A. sollicitans decreased to nearly one-fourth of the previous week's average, and A. cantator decreased similarly. An. bradleyi was third in abundance in that region.

Aedes triseriatus, A. trivittatus and three Psorophora species were reported in the light trap records from various areas in low numbers. These species may be a nuisance in localized situations.

Counties represented in this report: Atlantic, Bergen, Burlington*, Camden, Cape May, Cumberland, Essex, Gloucester, Hudson, Hunterdon, Mercer, Middlesex, Morris, Ocean, Passaic, Salem*, Somerset, Sussex, Union, and Warren.

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*Reports received too late for this report.

REGIONAL LIGHT TRAP
SUMMARY

Average mosquitoes per trap-night July 13-19, 1973

Region	Predominant Species	Other important species		
Region A Northern Rural 91*	A. vexans 17.5	Culex complex 5.8	An. punctipennis 0.8	M. perturbans 0.4
Region B Passaic Valley 84	A. vexans 39.1	Culex complex 3.5	M. perturbans P. ciliata 0.3	
Region C Rural 42	A. vexans 12.2	Culex complex 5.9	An. punctipennis 0.3	A. canadensis 0.1
Region D Urban Corridor 144	Culex complex 21.2	A. vexans 18.1	A. sollicitans 0.6	A. cantator 0.3
Region E Coastal Plain 42	Culex complex 5.7	M. perturbans 3.8	A. vexans 3.6	Culiseta melanura An. crucians 0.4
Region F Coastal Wetlands 111	Culex complex 120.7	A. sollicitans 10.1	An. bradleyi 8.7	A. vexans 3.6

*Number of trap-nights per region.