



Mosquito Surveillance Report

New Jersey Agricultural Experiment Station

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Period July 27, 1973

Most mosquito species were considerably more abundant throughout the state for the period of this report than the preceeding period. The most important mosquito species increased in every region since the last report, and several less important species occurred in greater numbers than usual.

Aedes vexans was the predominant species in three regions, A, B, and C, and showed at least a five-fold increase in every region. The Culex complex was predominant in two regions showing a decrease in region D, but showing a four-fold increase in region F. This inconsistency occurred between the other regions as well.

Mansonia perturbans was again the predominant species in region E and had increased three times the last weekly average. Again it was caught in only three traps but in very high numbers.

A. sollicitans and A. cantator increased significantly in region F and A. sollicitans was slightly higher than last week in regions B and D.

Psorophora ciliata was third in abundance in region B and was also reported in small numbers from regions B and D. A. trivittatus and other Psorophora species were bothersome in many areas but are not easily collected in light traps.

The mosquito situation reflected in this report can be attributed to the frequent, heavy rains which occurred in the latter half of June.

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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REGIONAL LIGHT TRAP
SUMMARY

Average mosquitoes per trap-night July 6-12, 1973

Region	Predominant Species	Other important species		
Region A Northern Rural 84*	A. vexans 15.9	Culex complex 14.6	An. punctipennis 1.7	M. perturbans 0.5
Region B Passaic Valley 70	A. vexans 40.4	Culex complex 2.1	P. ciliata 0.5	A. sollicitans M. perturbans 0.2
Region C Rural 35	A. vexans 13.7	Culex complex 6.3	An. punctipennis 0.4	
Region D Urban Corridor 154	Culex complex 25.2	A. vexans 23.8	A. sollicitans 3.2	M. perturbans 0.3
Region E Coastal Plain 54	M. perturbans 18.5	A. vexans 18.1	Culex complex 8.6	Culiseta melanura 1.5
Region F Coastal Wetlands 119	Culex complex 152.7	A. sollicitans 38.5	A. vexans 12.8	A. cantator 9.9

*Number of trap-nights per region.