



# Mosquito Surveillance Report

New Jersey Agricultural Experiment Station

Vol. 1 No. 14  
September 17, 1973

Period August 17-23, 1973

The Culex complex is the most abundant mosquito group in the state in every region except the Passaic Valley. Culex species have increased since the last report in regions A, C, and D. Culex species have decreased slightly in region E and have decreased markedly in region F, since the last report.

Aedes vexans is the most abundant species in only one region, Passaic Valley. This is due to the flooding which occurred on August 2 (not late July as mentioned in last report). A. vexans has declined in this region since the last report. A. vexans has decreased to low levels in all other regions.

In region E, Culiseta melanura remained second most abundant, although it had decreased from the last report. This species appeared in region D at 0.1/t-n. It was recorded in only two traps in region D. In region F, C. melanura declined to one half the level reported in the last report.

A. sollicitans in region F has decreased to less than one half the level in the previous report, bringing it below nuisance level.

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

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REGIONAL LIGHT TRAP  
SUMMARY

Average mosquitoes per trap-night Aug. 17-23, 1973

Region	Predominant Species	Other important species		
Region A Northern Rural 90*	Culex complex 5.7	A. vexans 5.0	An. punctipennis 3.2	M. perturbans 0.2
Region B Passaic Valley 75	A. vexans 26.5	Culex complex 1.9	M. perturbans 0.4	An. punctipennis 0.1
Region C Rural 42	Culex complex 2.8	A. vexans 2.4	An. punctipennis 1.2	An. quadrimaculatus 0.3
Region D Urban Corridor 102	Culex complex 33.2	A. vexans 8.9	M. perturbans 0.2	A. sollicitans An. punctipennis C. melanura 0.1
Region E Coastal Plain 61	Culex complex 7.1	C. melanura 3.1	A. vexans 0.9	M. perturbans 0.6
Region F Coastal Wetlands 89	Culex complex 23.2	A. sollicitans 8.6	An. bradleyi 5.1	C. melanura 2.7

\*Number of trap-nights per region.