



# Mosquito Surveillance Report

New Jersey Agricultural Experiment Station

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Period August 2-9, 1973

The general mosquito population in most of the state declined considerably from the previous week. This is the second decline in as many weeks.

Aedes vexans was the predominant mosquito species in two regions, A and B, but their abundance was about half that of the previous week. Aedes vexans populations decreased in all other regions as well except region F.

Culex mosquitoes were the predominant species in regions C, D, E and F. Their numbers declined in regions C and D, but increased slightly in region E and increased from 37.4/t-n to 86.2/t-n in region F.

All other important species increased in region F since the last report. An. bradleyi increased from 6.4/t-n to 23.0/t-n and became second in abundance. A. sollicitans increased from 12.3/t-n to 20.2/t-n. Culiseta melanura was not on the summary sheet for region F, but its abundance increased from 0.9/t-n last week to 3.1/t-n; higher than region E.

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

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REGIONAL LIGHT TRAP  
SUMMARY

Average mosquitoes per trap-night August 2-9, 1973

Region	Predominant Species	Other important species		
Region A Northern Rural 91*	A. vexans 11.9	Culex complex 7.7	An. punctipennis 5.5	M. perturbans 0.2
Region B Passaic Valley 84	A. vexans 20.1	Culex complex 4.8	An. walkeri 0.7	An. quadrimaculatus M. perturbans 0.1
Region C Rural 42	Culex complex 3.9	A. vexans 2.8	An. punctipennis 0.7	An. quadrimaculatus 0.1
Region D Urban Corridor 150	Culex complex 28.5	A. vexans 9.8	A. sollicitans 0.9	An. punctipennis M. perturbans 0.2
Region E Coastal Plain 60	Culex complex 9.2	A. vexans 4.1	Culiseta melanura M. perturbans 2.0	An. bradleyi 1.1
Region F Coastal Wetlands 118	Culex complex 86.2	An. bradleyi 23.0	A. sollicitans 20.2	A. vexans 8.2

\* Number of trap-nights per region.