



Mosquito Surveillance Report

New Jersey Agricultural Experiment Station

Vol. 1 No. 7

Period July 17, 1973

The overall mosquito population is up slightly from last week with a few significant increases occurring in the less important species and the salt marsh species.

The Culex complex is the dominant group in regions A, C, D and F and has increased moderately in all regions except E and F. The Culex complex has increased in the Urban region to where it equals that of the Coastal Wetlands region.

Aedes vexans has increased moderately in all regions except F. It is a predominant species only in the Passaic Valley region.

Aedes sollicitans has increased significantly along the Coastal Wetlands region from 5.9 last report to 20.9 in this report. It also increased along the coastal borders of region D from 0.1 last report to 2.2 this report and is the third most abundant mosquito in that region. A. cantator continues to decline.

Mansonia perturbans increased in regions A, B, D, and E. In region E it is the predominant species by its average catch, but was trapped in only three traps in that region in very high numbers.

Psorophora species, although not appearing on the summary table, are quite numerous in a few traps in regions B, D, and E. A. trivittatus has become very numerous in certain areas around the State as reported from landing counts, but this was not reflected in light traps.

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 June 29-July 5, 1973

Region	Predominant Species	Other important species		
Region A Northern Rural *77	Culex complex 9.0	Aedes vexans 2.9	Mansonia perturbans 0.6	Anopheles punctipennis 0.5
Region B Passaic Valley 84	A. vexans 6.3	Culex complex 3.6	Mansonia perturbans 0.3	Psorophora spp. A. sollicitans 0.1
Region C Rural 42	Culex complex 5.4	A. vexans 3.2	An. punctipennis 0.2	
Region D Urban Corridor 133	Culex complex 38.0	A. vexans 5.2	A. sollicitans 2.2	M. perturbans 0.9
Region E Coastal Plain 63	M. perturbans 6.5	Culex complex 4.5	A. vexans 1.2	Culiseta melanura 0.5
Region F Coastal Wetlands 147	Culex complex 38.4	A. sollicitans 20.9	A. cantator 2.1	A. vexans 1.7

* Number of trap-nights per region.