Mosquito Surveillance Report

New Jersey Agricultural Experiment Station

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The general mosquito population throughout the state showed a decline from the previous report. Aedes vexans peaked in abundance during July 20-26, and has since generally decreased. The Culex complex has shown a slight increasing trend in four regions, and a dramatic decrease in one region.

A. vexans was the most abundant species in regions A and B, but the averages were less than the previous report. Culex species decreased in region A and increased very slightly in region B.

In the remaining four regions, Culex species were the most abundant species in each region. In regions D and E, the Culex population increased, while in regions C and F, the Culex population decreased. In region F, the decrease was from 81.1/t-n to 37.4/t-n. Also in region F, the Coastal Wetlands region, A. sollicitans decreased from 22.4/t-n to 12.3/t-n.

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 July 27-Aug. 2, 1973

Region	Predominant Species	Other important species		
Region A Northern Rural 91*	A. vexans 27.0	Culex complex 9.8	An. punctipennis 6.2	M. perturbans 0.4
Region B Passaic Valley 82	A. vexans 37.3	Culex complex 5.0	An. walkeri 0.2	M. perturbans A. canadensis 0.1
Region C Rural 42	Culex complex 7.1	A. vexans 5.7	An. punctipennis 0.9	
Region D Urban Corridor 146	Culex complex 41.2	A. vexans 15.5	A. sollicitans 0.3	A. cantator M. perturbans 0.2
Region E Coastal Plain 62	Culex complex 7.8	A. vexans 4.2	M. perturbans 3.2	C. melanura 1.5
Region F Coastal Wetlands 111	Culex complex 37.4	A. sollicitans 12.3	An. bradleyi 6.4	A. vexans 2.6

* Number of trap-nights per region.