# *Mosquito Surveillance Report*

New Jersey Agricultural Experiment Station

*Vol.* 1 *No.* 6 *Period* July 10, 1973

There have been no significant changes in the mosquito situation throughout the state since the previous report. The Culex species were predominant in all regions except the Passaic Valley region, where Aedes vexans was predominant. The Culex population has increased in each region. This increase ranged from 3% in region C to 250% in region F over last week.

A. stimulans is no longer an important species in the Northern Rural region, and Mansonia perturbans has become more abundant there.

A. vexans has generally declined state-wide following a peak which occurred during the week of June 9-14.

The salt marsh species, A. sollicitans and A. cantator, declined further in region F, although A. sollicitans is still being trapped in parts of the Passaic Valley region and the Urban Corridor region.

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.

Jere Downing
Research Associate

Lyle E. Hagmann
Research Professor

# REGIONAL LIGHT TRAP
# SUMMARY

Average mosquitoes per trap-night June 22-28, 1973

| Region | Predominant Species | Other important species | | |
|---|---|---|---|---|
| Region A Northern Rural 83* | Culex complex 4.8 | Aedes vexans 1.9 | Anopheles punctipennis 0.2 | Mansonia perturbans 0.1 |
| Region B Passaic Valley 77 | A. vexans 3.0 | Culex complex 2.9 | M. perturbans 0.1 | A. sollicitans An. punctipennis 0.1 |
| Region C Rural 42 | Culex complex 3.2 | A. vexans 1.2 | An. punctipennis 0.1 | |
| Region D Urban Corridor 132 | Culex complex 26.8 | A. vexans 2.3 | M. perturbans 0.4 | A. sollicitans 0.1 |
| Region E Coastal Plain 60 | Culex complex 4.7 | A. vexans M. perturbans 1.0 | Culiseta melanura 0.9 | A. canadensis 0.3 |
| Region F Coastal Wetlands 146 | Culex complex 70.6 | A. sollicitans 5.9 | A. vexans 3.1 | A. cantator 2.6 |

* Number of trap-nights per region.