

NEW JERSEY STATEWIDE SURVEILLANCE

Week 37 Report for 08 September to 14 September, 2004

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Purpose: Data from 84 New Jersey light traps contributed by county mosquito control agencies are used to calculate trends in mosquito populations for species of nuisance or health concerns.

Calculations are based on regional distributions, with emphasis on mosquito habitat and land use. Trends will allow a statewide evaluation of changing mosquito populations, in response to control and/or changes in habitat.

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Figure 1a: Map of ten regions selected for the New Jersey Surveillance Program overlaid with county borders.

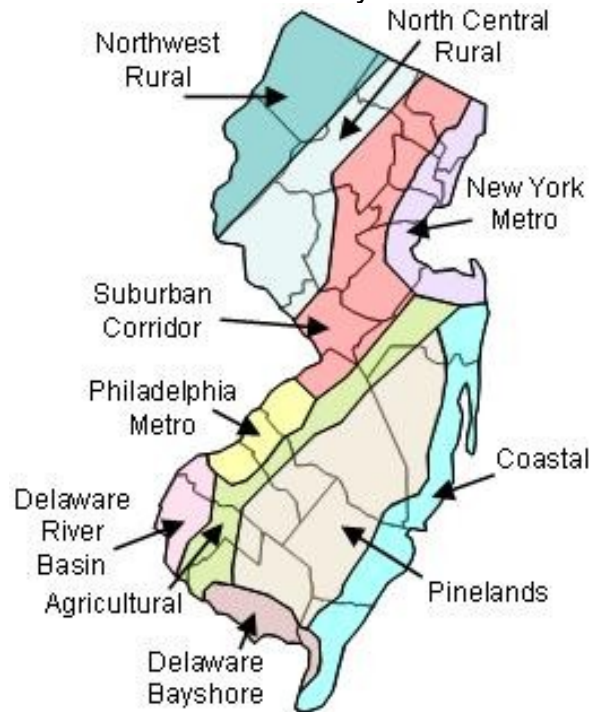


Figure 1b. Trap lat-long locations.



Summary table

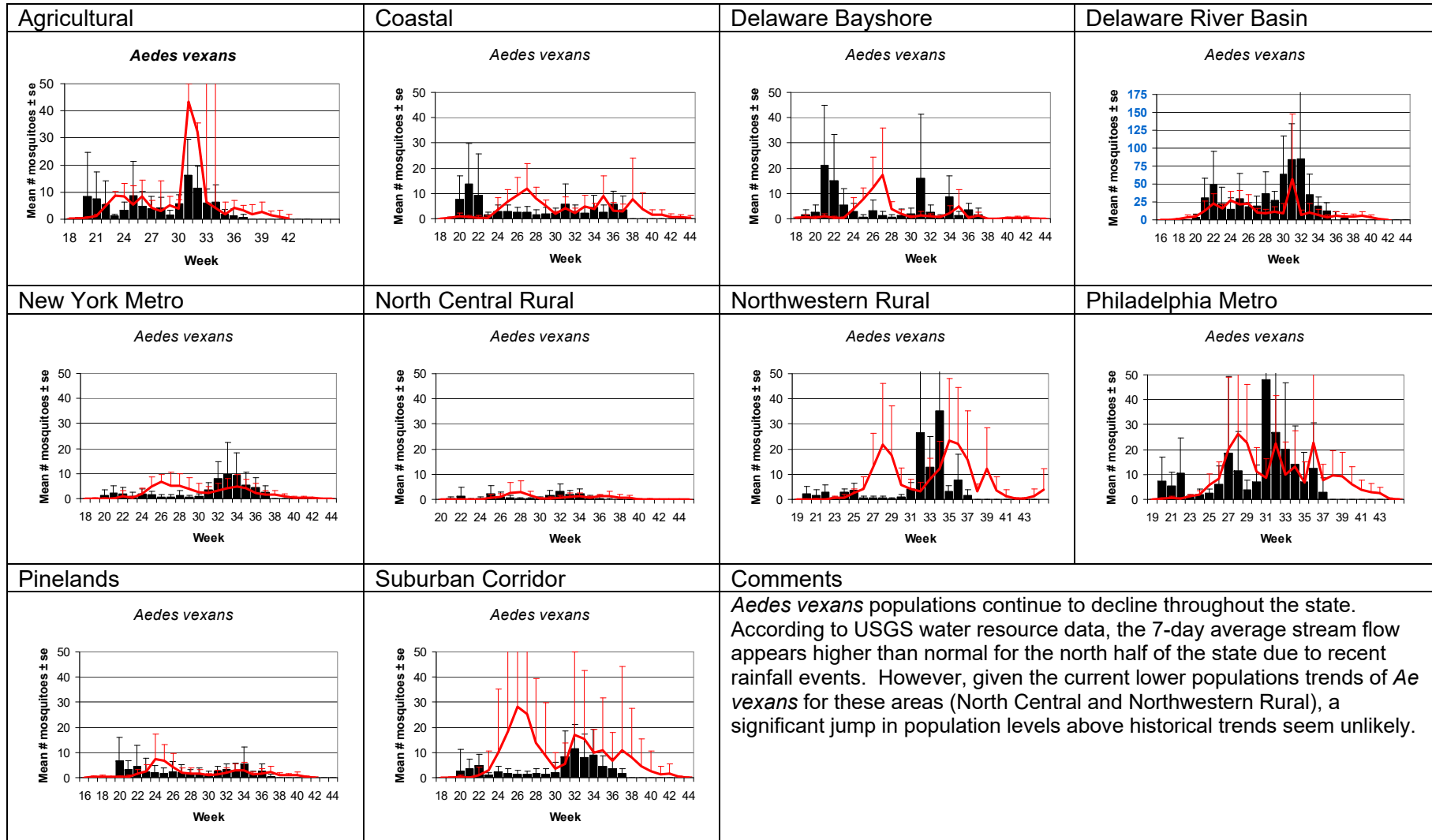
	<i>Aedes vexans</i>		<i>Culex complex</i>		<i>Coquillettidia perturbans</i>		<i>Ochlerotatus sollicitans</i>	
Region	This Week	Average*	This Week	Average*	This Week	Average*	This Week	Average*
Agricultural	0.71	1.95	2.19	7.67	0.00	0.00	0.26	0.44
Coastal	3.40	2.87	0.89	3.79	0.02	0.03	3.35	11.87
Delaware Bayshore	1.76	1.29	19.33	6.98	0.76	0.05	7.38	1.71
Delaware River Basin	1.98	3.31	1.04	2.65	0.00	0	0.00	3.12
New York Metro	2.56	1.49	3.76	5.93	0.03	0	0.30	0.14
North Central Rural	0.08	0.68	0.22	0.55	0.00	0	0.00	0
Northwest Rural	1.67	3.17	0.81	2.89	0.00	0.03	0.00	0
Philadelphia Metro	2.89	9.62	0.40	2.20	0.00	0.01	0.00	0
Pinelands	0.38	1.18	1.08	3.01	0.03	0.07	0.06	0.22
Suburban Corridor	1.58	10.87	1.91	3.72	0.49	2.83	0.28	0

- Complete data not yet available.

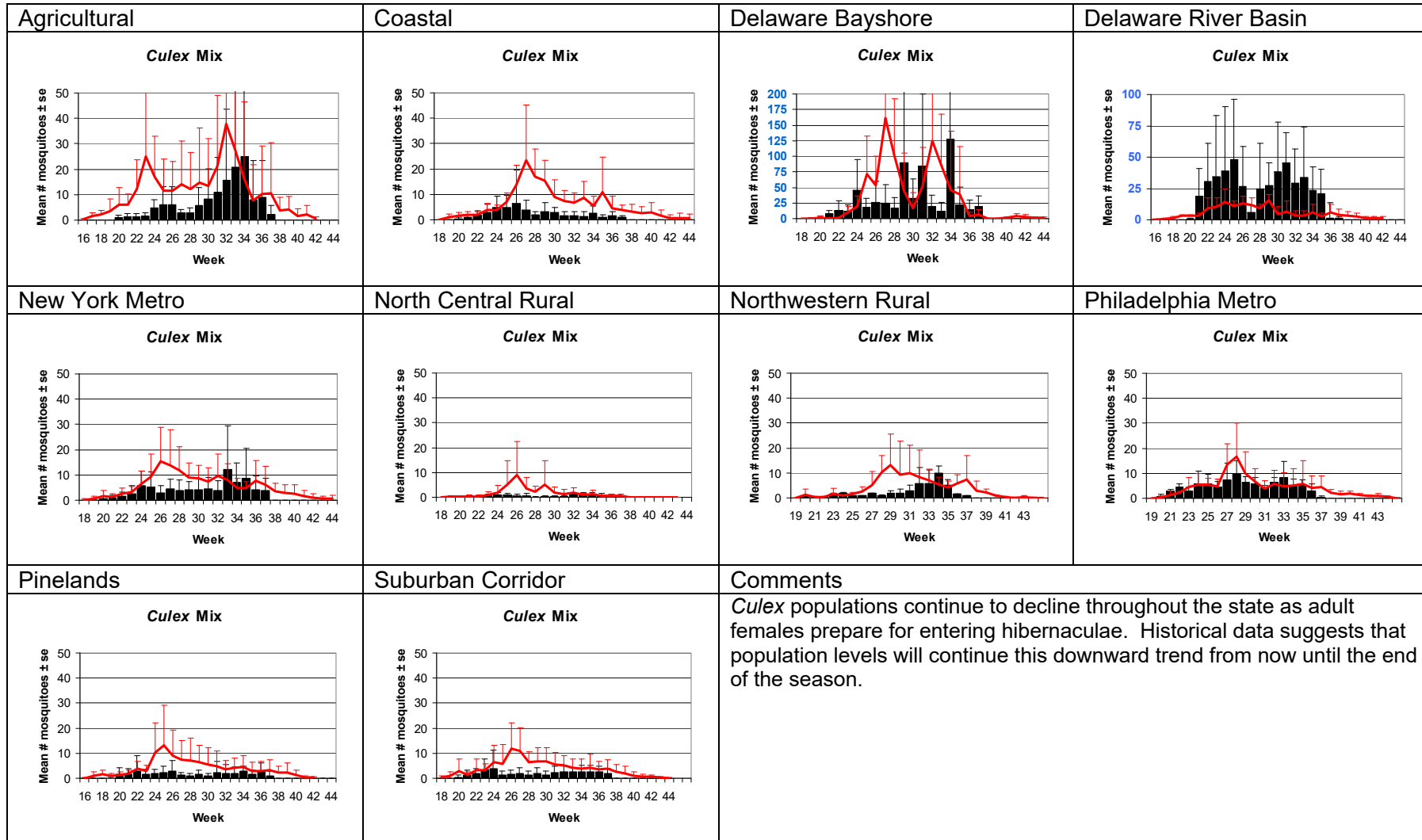
Additional Species, include *Ochlerotatus japonicus*. Top Ten regional species is also featured.

17 Counties reporting

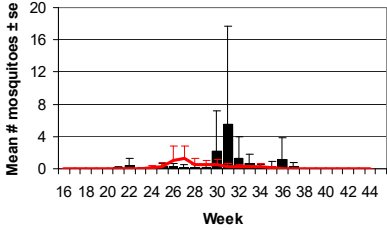
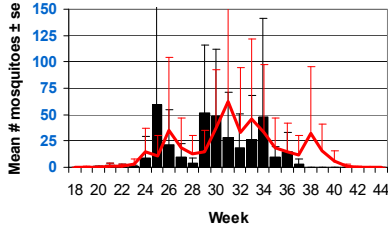
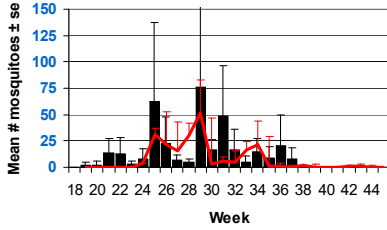
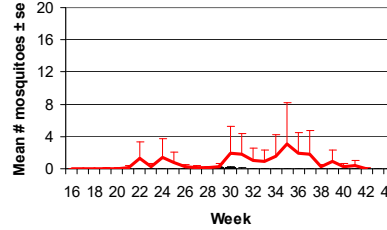
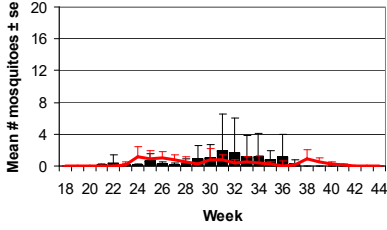
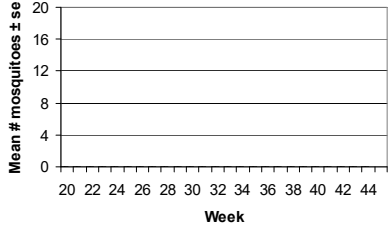
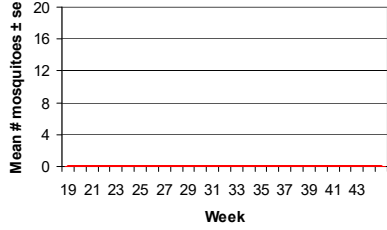
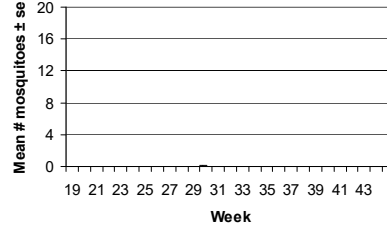
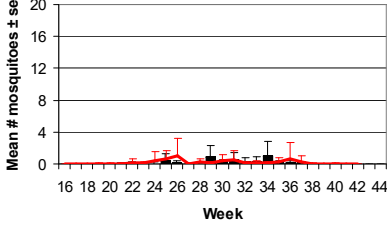
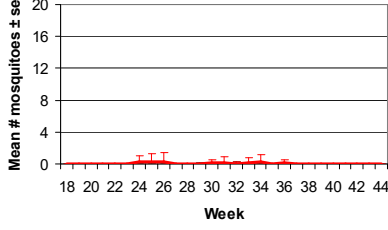
Aedes vexans - Fresh Floodwater Species



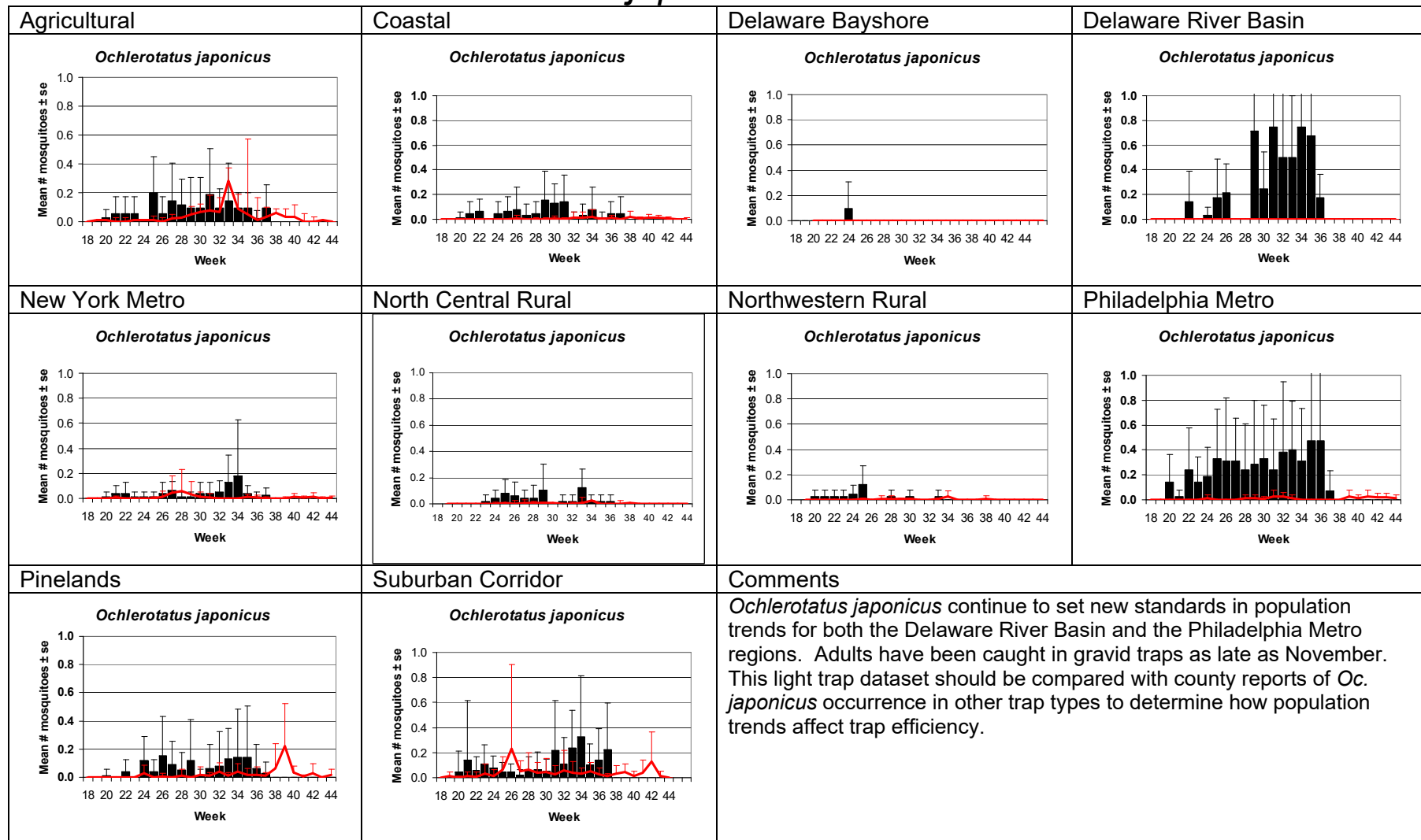
Culex Complex - Multivoltine Culex Species



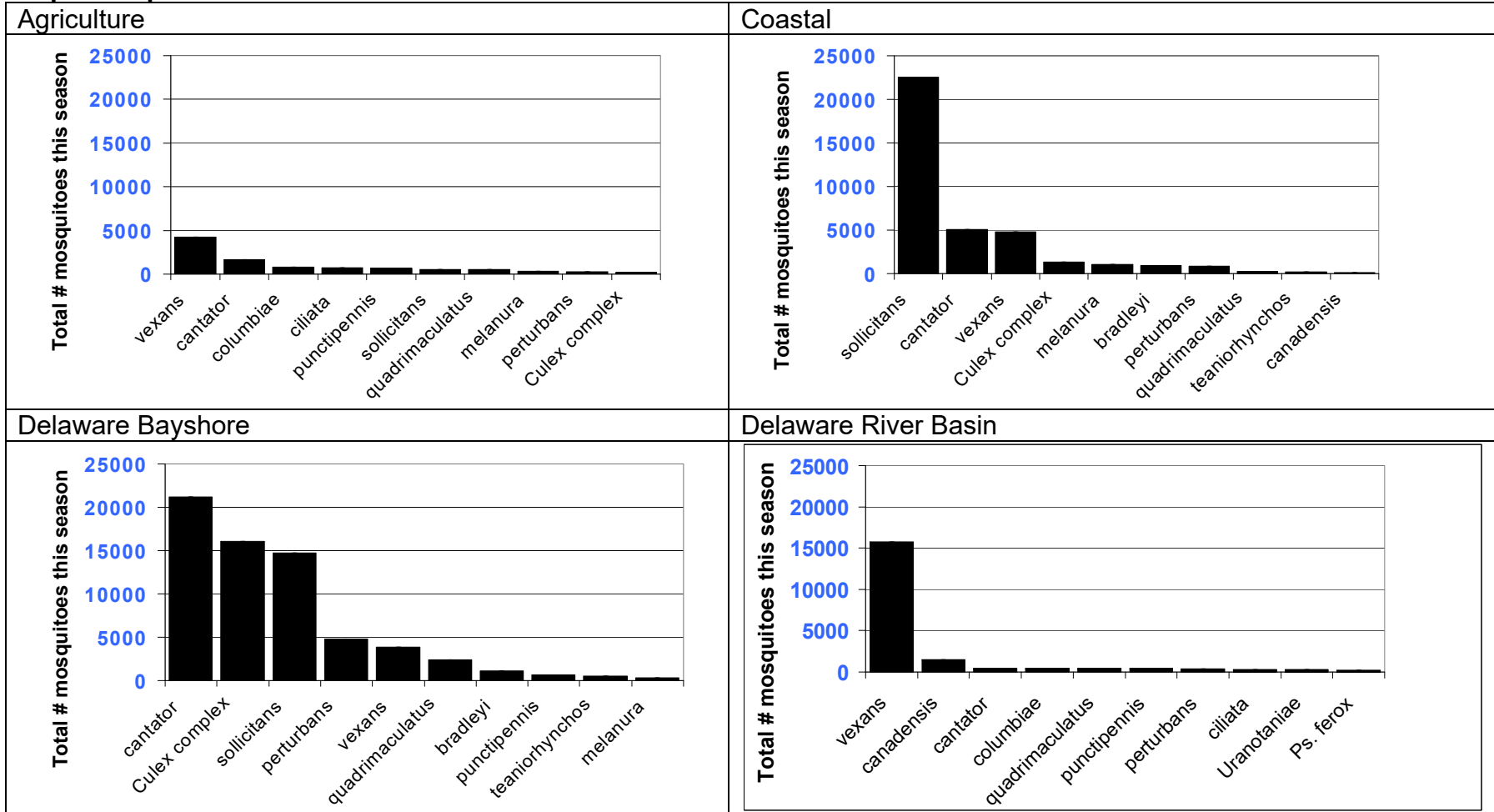
Ochlerotatus sollicitans - Salt Marsh Floodwater Species

Agricultural	Coastal	Delaware Bayshore	Delaware River Basin
<i>Ochlerotatus sollicitans</i> 	<i>Ochlerotatus sollicitans</i> 	<i>Ochlerotatus sollicitans</i> 	<i>Ochlerotatus sollicitans</i> 
New York Metro	North Central Rural	Northwestern Rural	Philadelphia Metro
<i>Ochlerotatus sollicitans</i> 	<i>Ochlerotatus sollicitans</i> 	<i>Ochlerotatus sollicitans</i> 	<i>Ochlerotatus sollicitans</i> 
Pinelands	Suburban Corridor	Comments	
<i>Ochlerotatus sollicitans</i> 	<i>Ochlerotatus sollicitans</i> 	If nighttime temperatures remain above 60°F, <i>Ochlerotatus sollicitans</i> should appear in light traps from a fourth emergence of the season in the Coastal region beginning next week. Adults from the Week 34 brood appeared to have migrated inland to the Agricultural region by Week 36. When the fourth emergence occurs, expect an increase in complaints as these females will have shifted to daytime host-seeking behavior.	

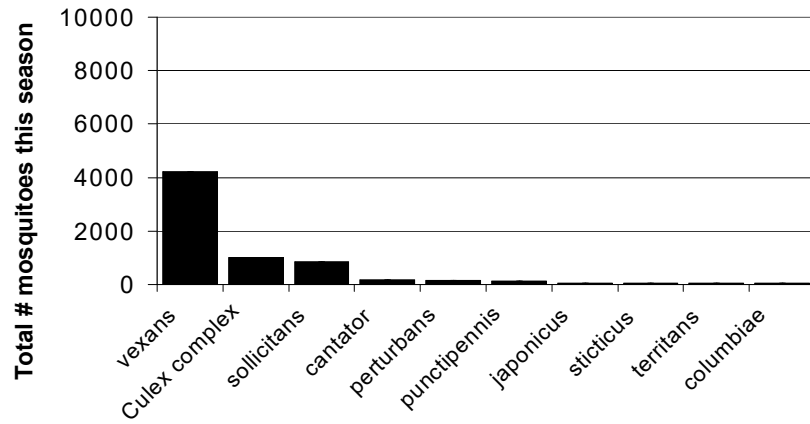
Ochlerotatus japonicus – Multivoltine Aedine



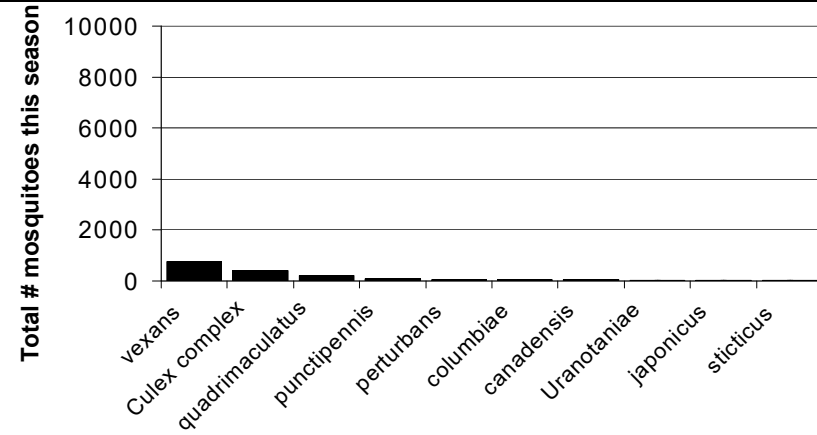
Top Ten Species



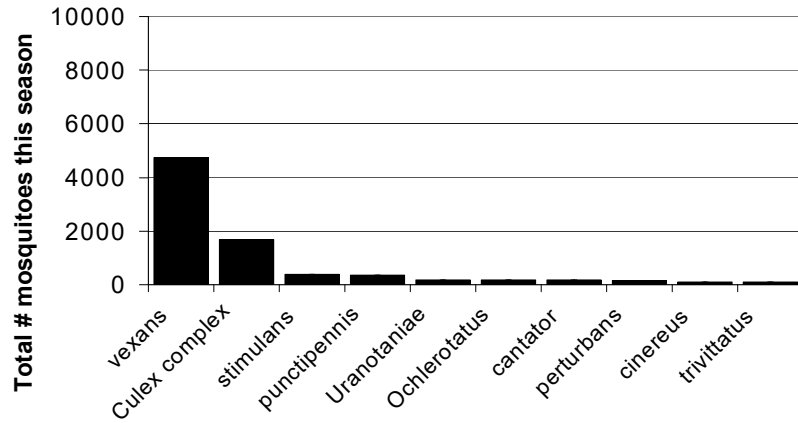
New York Metro



North Central Rural



Northwest Rural



Philadelphia Metro

